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OICOM

SERVICE MANUAL

V/UHF MULTI BAND ALL MODE TRANSCEIVER

IC-970A IC-970E IC-970H

Icom Inc.



INTRODUCTION

This service manual describes the latest information for the IC-970A/E/H V/UHF MULTIBAND ALL MODE TRANSCEIVER and covers the following versions.

MODEL	VERSION NO.	VERSION	SYMBOL
10.0704	# 05	U.S.A.	USA
IC-970A	# 07	Australia	AUS
10.0705	# 03	Europe	EUR
IC-970E	# 09	Sweden	SWE
IC-970H	# 04	Europe	EUR-H
	# 06	U.S.A.	USA-H
	# 08	Australia	AUS-H
	#10	Sweden	SWE-H

DANGER

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

DO NOT expose the transceiver to rain, snow or any liquids

DO NOT reverse the polarities of the power supply when connecting the transceiver.

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

- 1. 10-digit order numbers
- 2. Component part number and name
- 3. Equipment model name and unit name
- 4. Quantity required

<SAMPLE ORDER>

1110001310 IC μPC577HA IC-970A/E/H MAIN UNIT 5 pieces 8810004690 Screw BiH M4 × 5 ZK BS IC-970A/E/H Top cover 10 pieces

Addresses are provided on the inside back cover for your convenience.

REPAIR NOTE

- Make sure a problem is internal before disassembling the transceiver.
- DO NOT open the transceiver until the transceiver is disconnected from its power source
- DO NOT force any of the variable components. Turn them slowly and smoothly.
- DO NOT short any circuits or electronic parts. An insulated tuning tool MUST be used for all adjustments.
- DO NOT keep power ON for a long time when the transceiver is defective.
- DO NOT transmit power into a signal generator or a sweep generator.
- ALWAYS connect a 40 dB~50 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
- READ the instructions of test equipment thoroughly before connecting equipment to the transceiver.



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To upgrade quality, all electric or mechanical part and internal circuits are subject to change without notice or obligation.

SECTION 1 SPECIFICATIONS

■ GENERAL

Frequency coverage

MODEL	VERSION	144 MHz band	430 MHz band
IC-970A/H	U.S.A.	140.1~150.0 MHz*	430.0~450.0 MHz
IC-970E/H	Europe	144.0~146.0 MHz	430.0~440.0 MHz
IC-970A/H	Australia	144.0~148.0 MHz	430.0~450.0 MHz
IC-970E/H	Sweden	144.0~146.0 MHz	432.0~438.0 MHz

*Specifications guaranteed 143.8~148.2 MHz

• Mode : SSB (A3J), F3 (FM), CW (A1)

• Tuning step increments : SSB, CW 10 Hz

FM 5, 10, 12.5, 20, 25 or 100 kHz

All mode 1 kHz and 1 MHz quick dialing steps are available.

Antenna impedance : 50 Ω (unbalanced)

Power supply requirement : 13.8 V DC±15 % (negative ground)

• Current drain (at 13.8 V DC) : Transmit max. output 9.0 A (IC-970A/E)

16.0 A (IC-970H)

Receive max. audio output 2.5 A (IC-970A/E/H)

Receive squelched 2.0 A (IC-970A/E/H)

• Usable temperature range : $-10 \,^{\circ}\text{C} \sim +60 \,^{\circ}\text{C} \, (+14 \,^{\circ}\text{F} \sim +140 \,^{\circ}\text{F})$

• Frequency stability : ± 3 ppm (0 °C \sim +50 °C; +32 °F \sim +122 °F)

• Dimensions : 425 (W) × 149 (H) × 406 (D) mm

 $16.7 \text{ (W)} \times 5.9 \text{ (H)} \times 16.0 \text{ (D)} \text{ in}$

Weight (without IC-PS35)
 IC-970A/E 14.5 kg (32.0 lb)
 IC-970H 15.0 kg (33.0 lb)
 IC-970H 17.3 kg (38.0 lb)

■ TRANSMITTER

Output power

MODEL	144 MF	tz band	430 MHz band	
MODEL	SSB, CW	FM	SSB, CW	FM
IC-970H	5∼35 W	6∼45 W	5∼30 W	6~40 W
IC-970A/E	All band 3.5~25 W (All mode)			

• Modulation system : SSB Balanced modulation

: FM Variable reactance frequency modulation

Max. frequency deviation : ±5 kHz

Spurious emissions
 Carrier suppression
 Less than -40 dB
 Unwanted sideband
 Less than -40 dB

Microphone impedance : 600 Ω



RECEIVER

• Receive system : 144 MHz band

SSB, CW Single-conversion superheterodyne FM Double-conversion superheterodyne

: 430 MHz band

SSB, CW Double-conversion superheterodyne FM Triple-conversion superheterodyne

Intermediate frequency

	•	MAIN BAND		SUB BAND	
		SSB, FM	CW	SSB, FM	cw
144 MHz band	1st	10.8500	10.8491	10.9500	10.9491
	2nd	0.4550*	_	0.4550*	_
430 MHz band	1st	71.2500	71.2491	71.3500	71.3491
	2nd	10.8500	10.8491	10.9500	10.9491
	3rd	0.4550*	_	0.4550*	_

*FM mode only Unit: MHz

• Sensitivity : SSB, CW Less than 0.11 μV for 10 dB S/N

FM Less than 0.18 µV for 12 dB SINAD

Selectivity
 SSB, CW
 More than 2.3 kHz/-6 dB

Less than 4.2 kHz/-60 dB

CW narrow (option) More than 500 Hz/-6 dB

Less than 1.3 kHz/-60 dB

FM More than 15 kHz/-6 dB

Less than 30 kHz/-60 dB

Audio output power
 1.5 W with an 8 Ω load at 10 % distortion

• Audio output impedance : 8 Ω

Squelch sensitivity : SSB, CW Less than 0.56 μV

FM Less than 0.18 μV

• RIT variable range : ±9.99 kHz

Notch filter variable range
 Notch filter attenuation
 More than ±1.2 kHz
 More than 25 dB

All stated specifications are subject to change without notice or obligation.



SECTION 2 **MECHANICAL PARTS AND DISASSEMBLY**

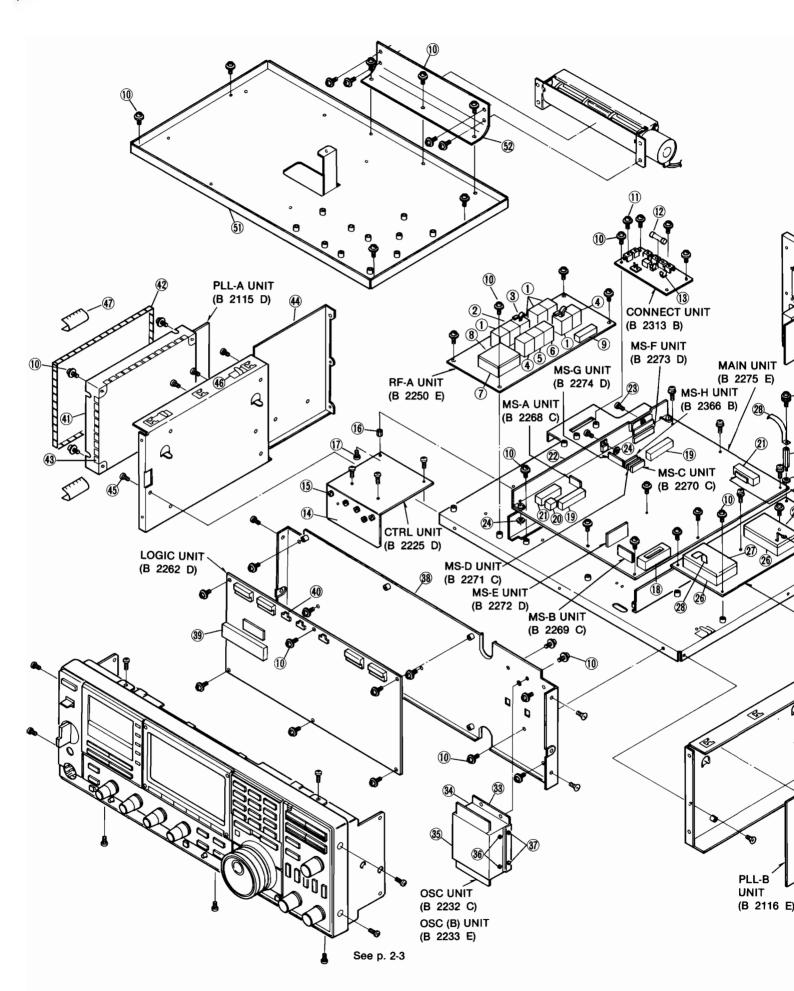
2-1 CHASSIS PARTS

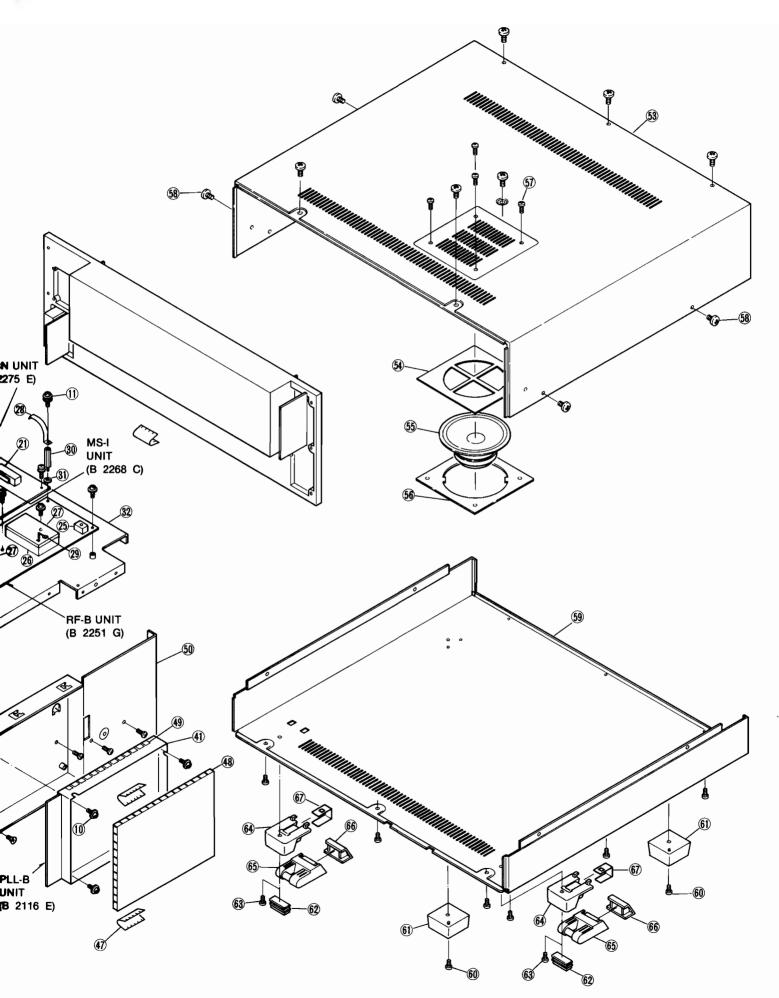
LABEL Number	ORDER NO.	DESCRIPTION	QTY.	LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
1)	8510000100	Helical case No. 5	5	33	8110003650	SWR case cover (C)	1
2	8510000110	Helical case No. 6	1	34)	8510001430	SWR case	1
3	8930014140	Grounding spring (D)	3	35	8510001560	DET case cover	1
	8510000070	Helical case No. 2		36	8810001820	Motor screw M2.6 × 2.5	4
•		(EUR, EUR-H, SWE, SWE-H)	2	37)	8810001270	Screw B1 M2.6×5	4
	8510000170	Helical case No. 12 (USA, USA-H, AUS, AUS-H)		38	8010009450	646 Front chassis	1
	8510000110	Helical case No. 6		39	8930019270	Sponge (CJ)	1
(5)		(USA, USA-H, AUS, AUS-H)	1	40	2220000420	Switch ESD11H120 [Dial click], etc	3
	8510000160	Helical case No. 11 (EUR, EUR-H, SWE, SWE-H)		41)	8510002922	PLL case-4	2
<u>(6)</u>	8510000070	Helical case No. 2	1	42	8510005540	PLL case top cover	1
7	8510002690	PA shield case (B)	1	43	8510005550	PLL case bottom cover	1
8	8510004360	PA shield case (B) cover (A)	1	44)	8010009430	646 chassis (left side)	1
9	8510002390	Mixer shield case	1	45)	8810002160	Screw FH M3×5	8
10	8810003160	Setscrew A M3×6	55	46	6910002560	Wire sticker S-10-516L	7
10	8810003360	Setscrew C M3×6	7	47)	8930008120	Contact spring (A)	5
<u>(12)</u>	5210000220	Fuse FGMB 125V 3A	1	48	8510006530	PLL case top cover (B)	1
13	6510006070	Fuse holder F-429	2	49	8510006540	PLL case bottom cover (A)	1
19	8410001420	646 CTRL heatsink	1	50	8010009440	646 chassis (right side)	1
19	8810003170	Setscrew A M3×8	5	(51)	8010009490	646 PS chassis	1
16	8930006070	Screw spacer-B	4	(52)	8010009580	646 fan angle (EUR-H, USA-H, AUS-H, SWE-H)	1
17	8810003750	Icom screw C 9	4	(53)	8110003700	646 top cover	1
18	8510002200	VCO case	1	(54)	8930010091	77 Speaker spacer-1	1
19	8510000230	220 shield case	2	(55)	2510000410	Speaker T080S01I0810	+ -
20	8510000881	194 VCO case-1	1	56	8930010040	77 Speaker plate	1
21)	8510001060	Shield case	2	<u>(57)</u>	8810005510	Screw OH M3×6 ZK BS	4
22	8410001430	646 MAIN heatsink	1	58	8810004690	Screw BiH M4 × 5 ZK BS	16
23	8810000240	Screw PH M3×8	4	59	8110003710	646 bottom cover	1
24	8830000100	Nuts M3	4	60	8810000390	Screw PH M4×12	2
25	8510004430	194 shield case (B)	1	61)	8930011680	Rubber foot (G)	2
26	8510001080	Shield case (A)	2	62	8930011700	Main stand rubber	2
27	8510001101	Shield case (A) cover (A)-1	2	63	8810000360	Screw PH M4×6	2
28	8930004070	Grounding spring (C)	2	64	8930011640	Main stand	2
29	6910000690	Lead lock 59TC4772	1	65	8930011630	Sub stand	2
30	8930000140	Standoff (J)	1	66	8930011690	Sub stand rubber	2
31)	8850000420	Spring washer M3 NI	1	67	8930011770	Stand spring	2
32	8010009481	646 center chassis-1	1				

Screw abbreviations

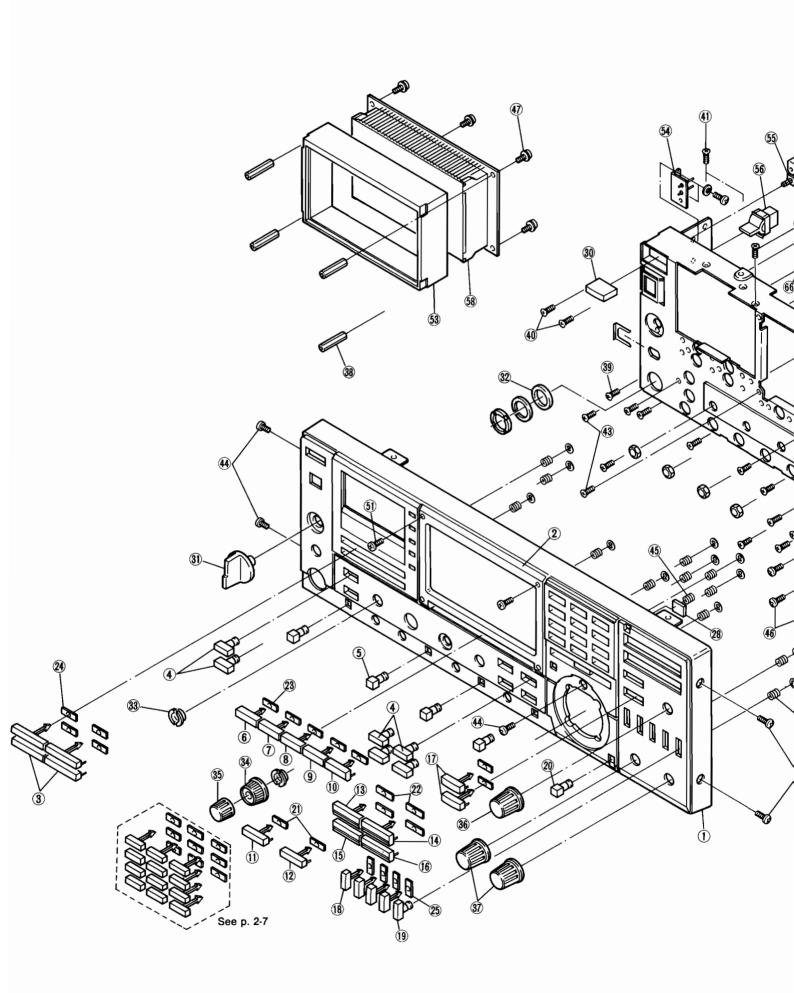
BiH: Binding head FH: Flat head PH: Pan head OH: Oval countersunk head

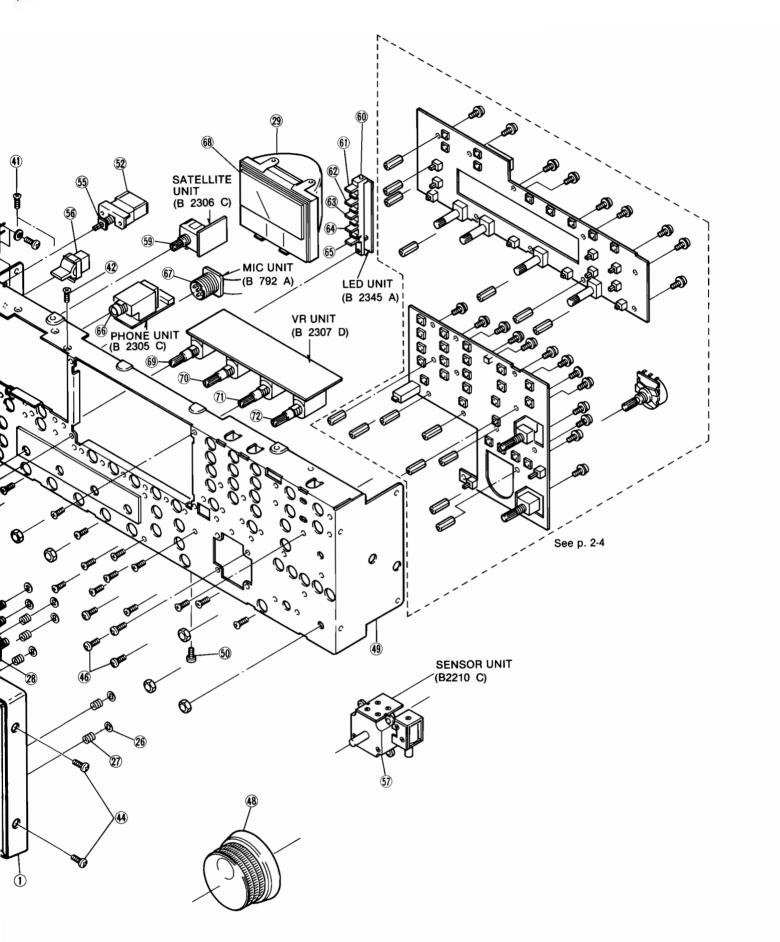
NI: Nickel ZK: Black





2-2 FRONT PARTS







LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.	LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
	8210005360	646 Front panel (A) IC-970A (USA, AUS)	2	36	8610005300	Knob N122 (A) [NOTCH]	1
①	8210005370	646 Front panel (B) IC-970E (EUR, SWE)	2	37	8610004180	Knob N123 [RIT], [MEMO-CH]	2
· ·	8210005390	646 Front panel (D) IC-970H	4	38	8930017160	Standoff (Y)	4
		(EUR-H, USA-H, AUS-H, SWE-H)		39	8810002160	Screw FH M3×5	15
2	8310019190	646 Window panel	1	40	8810002160	Screw FH M3×5	2
3	8610006130	Button K139 [MODE-SEL], [MULTI-BAND], etc.	4	41)	8810002250	Screw FH B0 M2.6×6	2
	0040000400	Button K140 [SP SEPARATE],	6	42	8810002240	Screw B0 M2×4	2
4	8610006400	[S · RF/C · CALL], etc.	6	43	8810002160	Screw FH M3×5	4
(5)	8610006410	Button K141 (BK-IN), [ELEC-KEY], [COMP], [LOCK]	4	44)	8810004690	Screw BiH M4×5 ZK BS	10
(6)	8610006140	Button K142 [FM]	1	45	8810000990	Screw PH B0 M2×5	1
7	8610006200		1	46	8810000220	Screw PH M3×5	4
	8610006200	Button K142 (A) [SSB] Button K142 (B) [CW/N]	1	47	8810003160	Setscrew A M3×6	4
8				48	8610004190	Knob N124	1
9	8610006220	Button K142 (C) [GENE]	1	49	8010009471	646 Sub chassis-1	1
<u> </u>	8610006230	Button K142 (D) [SPEECH]	1	50	8810002110	Screw FH M2.6×5	1
<u> </u>	8610006160	Button K144 [M/S]	1	51	8810006020	Icom screw B0 (A)	4
(12)	8610006350	Button K144 (A) [SUB]	1	62	8930017280	SW insulator	1
<u>(3)</u>	8610006170	Button K145 [FUNCTION]	1	53	8930017450	646 LCD cover	1
<u>(4)</u>	8610006360	Button K145 (A) [SPLIT]	1	54	8010006280	Terminal plate	1
<u>(15)</u>	8610006370	Button K145 (B) [A/B]	1	(55)	2230000120	Switch SDDSA3159A [POWER]	1
16	8610006380 8610006180	Button K145 (C) [A=B] Button K146 [CALL-1], [CALL-2]	2	56	2260000310	Switch M-2012J [TRANSMIT/RECEIVE]	1
(18)	8610006190	Button K147	4	57	8010008960	Sensor frame	1
		[RIT], [MEMO], [MW], [M▶VFO]			-	LCD LU-3175	
(19)	8610006420	Button K148 [NOTCH]	1	58	5030000510	[LCD CENTRAL MONITORING SYSTEM]	1
20	8610006430	Button K149 [CLICK]	1	59	2210000170	Switch SRBU16003A [SATELLITE]	1
21)	8930018770	646 TENKEY sponge (A)	4	60	8930017130	646 5-LED spacer	1
22	8930018790	646 MODE sponge (A)	4	<u>61)</u>	5040001430	LED SLB-25VR 3F [TX]	1
23	8930018770	646 TENKEY sponge (A)	5	62	5040001460	LED SLB-25MG 3F [RX MAIN]	1
24	8930018770	646 TENKEY sponge (A)	4	63	5040001460	LED SLB-25MG 3F [RX SUB]	1
25	8930018770	646 TENKEY sponge (A)	12	64	5040001430	LED SLB-25VR 3F [SUB]	1
26	8850001070	646 SW washer	12	65	5040001420	LED SPB-25MVW F [SATL]	1
27	8930016370	Release spring (N)	12	66	6450000950	Connector HLJ4815-01-020 (incl. stopper) [PHONES]	1
28	8930017140	646 Lens	1		es1000000		1
29	8010005872	560 Meter holder-2	1	67	6510000290	Connector 8S-S-E [MICROPHONE]	<u> </u>
30	8610002840	Button K79 [POWER]	1	68	5510000350	Meter ME-27 [MULTI FUNCTION METER]	1
31)	8610002810	Button N114 [SATELLITE]	1	69	7210001790	Trimmer RV-163 MAIN [AF]/[SQL]	1
32	8930003200	Spacer (P)	1	70	7210001790	Trimmer RV-163 SUB [AF]/[SQL]	1
33	8830000600	Nuts	2	<u> </u>	7210001800	Trimmer RV-164 [TONE]/[RF]	1
34)	8610000530	Knob N72 MAIN [SQL], SUB [SQL], [RF], [RF PWR]	4	120	7210001810	Trimmer RV-165 [MIC]/[RF PWR]	1
35	8610004160	Knob N121 MAIN [AF], SUB [AF], [TONE], [MIC]	4		-		

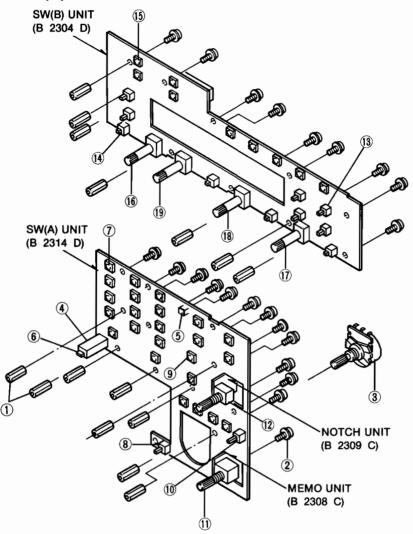
Screw abbreviations BiH: Binding head ZK: Black

PH: Pan head B0: Self-tapping

FH: Flat head

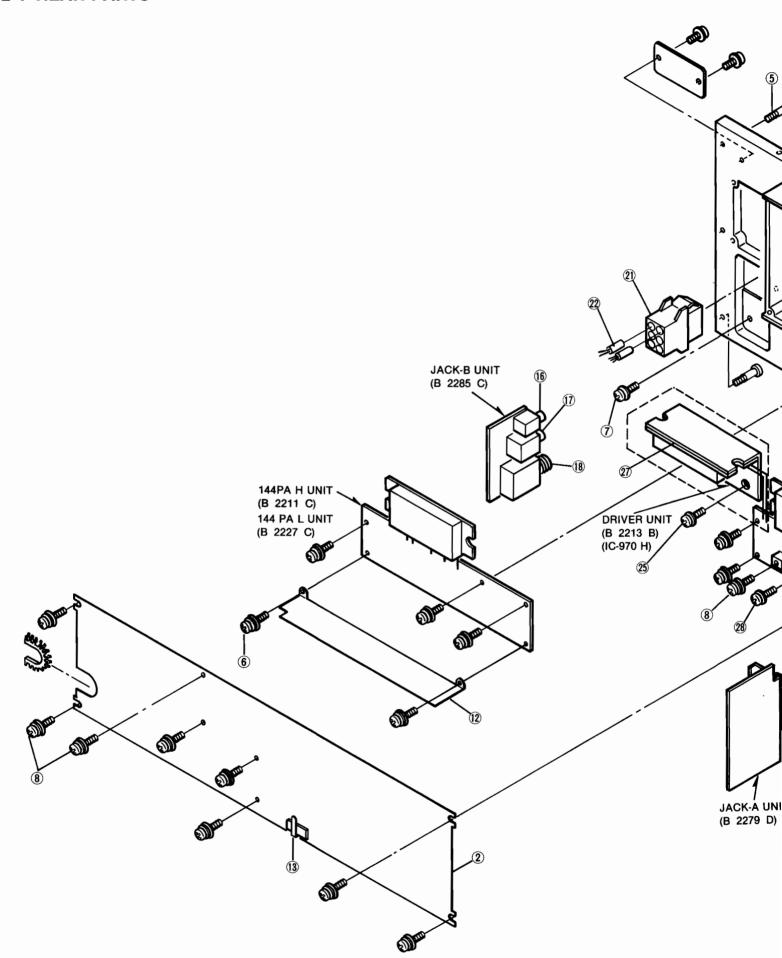
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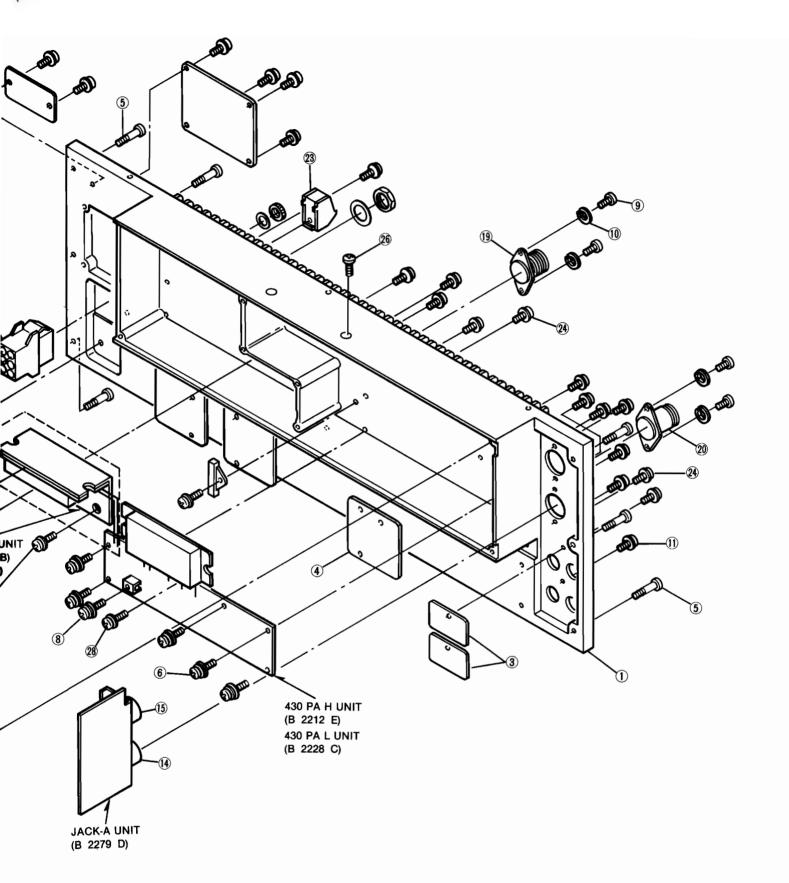
2-3 SW(A) AND SW(B) PARTS



LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
①	8930000510	Standoff (A)	15
2	8810003160	Setscrew A M3×6	22
3	7600000110	Encoder SW-110 [RIT]	1
4	8930017150	646 1-LED spacer	1
5	5040001450	LED SLB-25VR 5F [FUNCTION]	1
6	5040001440	LED SLB-25YY 3F [CLICK]	1
1	2230000820	Switch EVQ-QS2 05K [1], [2], [3], etc.	14
8	2230000810	Switch ESB-64801 [CLICK]	1
9	2230000820	Switch EVQ-QS2 05K [FUNCTION], [SPLIT], etc.	10
10	2230000810	Switch ESB-64801 [NOTCH]	1
11)	2260001230	Switch SW-111 [MEMO-CH]	1
12	7210001780	Variable resistor RV-166 [NOTCH]	1
(3)	2230000810	Switch ESB-64801 [PREAMP], [SP SEPARATE], etc.	6
14)	2230000800	Switch SW-112 [BK-IN], [COMP], [ELEC-KEY], etc.	4
15)	2230000820	Switch EVQ-QS2 05K [MODE-SEL], [MULTI-BAND], etc.	9
16	7210001760	Variable resistor EVU-FLAEA4B16 [DELAY]	1
17	7210001750	Variable resistor EVU-FLAEA4B13 [LEVEL]	1
18	7210001770	Variable resistor EVU-FLAEA4C55 [KEY SPEED]	1
(19)	7210001880	Variable resistor EVU-FLAEA4C13 [SIDE TONE]	1

2-4 REAR PARTS







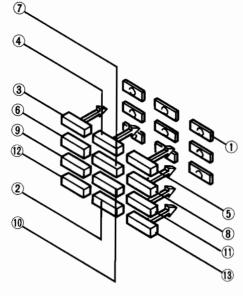
LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
1	8410001440	646 heatsink	1
2	8010009460	PA cover	1
3	8930017300	TVJ blind plate	2
4	8930017290	ANT blind plate	3
(5)	8810006030	Screw PH M4 × 12 NI	6
6	8810003160	Setscrew A M3×6	11
1	8810003170	Setscrew A M3 × 8	1
8	8810003360	Setscrew C M3×6	9
9	8810001910	Screw PH M3×6 NI BS	4
10	8850000420	Spring washer M3 NI	4
1)	8810003250	Setscrew A M3 × 8 NI	12
(12)	8510006290	646 PA shield plate	1
(3)	6910002560	Wire sticker S-10-516L	1
(4)	6450000940	Connector TCS5380-01-4151 [ACC (1)]	1
15	6450000510	Connector TCS5037-01-401 [DATA]	1
16	6450000100	Connector HSJ0857-01-220 [REMOTE]	1
17	6450000930	Connector HSJ0913-01-050 [EXT SP]	1
18	6450000460	Connector HLJ4306-01-3080 [KEY]	1
(19)	6510000370	ANT connector MR-DS [ANT 144 MHz]	1
20	6510000330	ANT connector NR-DS [ANT 430 MHz]	1
2 1)	6510003780	Connector LLR-06 [DC 13.8 V]	1
22	6510007650	Pin LLM 61T-2.0	6
23	6510000030	Connector S-Q2054 [GND]	1
24	8810001900	Screw PH M3×5 NI BS	3
25	8810003360	Setscrew C M3 × 6 (EUR-H, USA-H, AUS-H, SWE-H)	2
26	8810003250	Setscrew A M3 × 8 NI (EUR-H, USA-H, AUS-H, SWE-H)	2
27)	8930006470	Module plate (EUR-H, USA-H, AUS-H, SWE-H)	1
60	8810003860	Setscrew A M4 × 8 (EUR-H, USA-H, AUS-H, SWE-H)	4
28	8810003170	Setscrew A M3 × 8 (EUR, USA, AUS, SWE)	4

Screw abbreviations PH: Pan head BS: Brass NI: Nickel



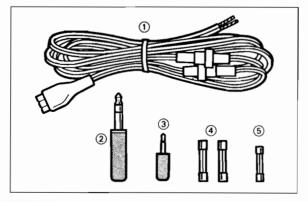
2-5 TENKEY AND ACCESSORIES

• TENKEY



LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
①	8930018770	646 TENKEY sponge (A)	12
2	8610006150	Button K143 [0]	1
3	8610006240	Button K143 (A) [1]	1
4	8610006250	Button K143 (B) [2]	1
(5)	8610006260	Button K143 (C) [3]	1
6	8610006270	Button K143 (D) [4]	1
7	8610006280	Button K143 (E) [5]	1
8	8610006290	Button K143 (F) [6]	1
9	8610006300	Button K143 (G) [7]	1
10	8610006310	Button K143 (H) [8]	1
10	8610006320	Button K143 (I) [9]	1
12	8610006330	Button K143 (J) [·]	1
13	8610006340	Button K143 (K) [ENT]	1

• ACCESSORIES



LABEL NUMBER	ORDER NO.	DESCRIPTION	QTY.
1	Optional product	DC power cable OPC-025 A	1
2	5610000050	Keyer plug AP330	1
3	5610000020	External speaker plug AP313	1
4	5210000080	Spare fuse FGB 20A	2
(5)	5210000180	Spare fuse FGMB 125 V, 5 A	1



SECTION 3 PARTS LIST

[PLL-A UNIT]

[PLL-A UNIT]					
REF. NO.	ORDER NO.		DESCRIPTION		
IC1	1120001680	IC	M5223P		
IC2	1130002960	IC	TC9181P		
IC3	1110002050	IC	MB503P-G		
IC4	1120000100	IC	M74LS90P TA7808S		
IC5 IC6	1110002030 1180000010	IC IC	TA78L005AP		
IC7	1790000050	ic ic	ND487C1-3R		
IC8	1130000140	ic	TC4071BP		
""	'''				
Q1	1560000130	FET	2SK125		
Q4	1590000360	Transistor	RN2202		
Q5	1590000340	Transistor	RN1202		
Q8	1530000150 1530002210	Transistor Transistor	2SC2668-O 2SC3776-D		
Q9 Q10	1530002210	Transistor	2SC1571G		
Q11	1530000150	Transistor	2SC2668-O		
Q12	1530000940	Transistor	2SC1571G		
Q13	1530000150	Transistor	2SC2668-O		
Q14	1530000940	Transistor	2SC1571G		
Q15	1530000150	Transistor	2SC2668-O		
Q17	1590000340	Transistor	RN1202		
Q18 Q19	1530000150 1530000150	Transistor Transistor	2SC2668-O 2SC2668-O		
Q19 Q20	1580000110	FET	2SC2668-U 3SK74 M		
Q21	1530000110	Transistor	2SC2668-O		
Q22	1530000591	Transistor	2SC2785 EL		
Q23	1510000070	Transistor	2SA1048-Y		
Q24	1530000591	Transistor	2SC2785 EL		
Q25	1560000090	FET	2SK192A-GR		
Q27	1530000150	Transistor	2SC2668-O		
D1	1710000160	Diode	188133		
D2	1720000060	Varicap	1SV50(1)E		
D4	1710000160	Diode	188133		
D6	1710000160	Diode	188133		
D7	1710000050	Diode	1\$\$53		
D9	1720000080	Varicap	1\$V50(1)E		
D10 D11	1720000060 1720000060	Varicap Varicap	1SV50(1)E 1SV50(1)E		
D12	1710000180	Diode	1SS133		
		2.000			
Lı	6140000580	Coil	LR-79		
12	6180000880	Coil	LAL 03NA 100K		
L3	6180002590	Coil	LAL 02KR 120K		
L4	6180000880	Coil	LAL 03NA 100K		
L5	6180001410	Coil	LAL 02KR 100K		
L6	6150001310	Coil	LS-145		
L7	6110001770	Coil	LA-266		
L8	6110001710	Coil	LA-257		
L9 L10	6110001720 6110001630	Coil Coil	LA-258 LA-246		
L10	6180000840	Coil	LAL 03NA 3R9K		
L12	6180000840	Coil	LAL 03NA 3R9K		
L13	6180001410	Coil	LAL 02KR 100K		
L14	6180000690	Coil	LAL 03NA R22M		
L15	6110001780	Coil	LA-267		
L16	6110001770	Coil	LA-266		
L17	6180001390	Coil	LAL 02KR 2R2K LAL 02KR R68K		
L18 L19	6180002550 6110001640	Coil Coil	LA-247		
L20	6180001300	Coil	LAL 02NA 100K		
L21	6180001410	Coil	LAL 02KR 100K		
L22	6180000900	Coil	LAL 03NA 101K		
L23	6180000880	Coil	LAL 03NA 100K		
L24	6150000970	Coil	LS-112		
L25 L26	6150000970 6180000900	Coil Coil	LS-112 LAL 03NA 101K		
L27	6180000900	Coil	LAL 03NA 101K		
L28	6140000580	Coil	LR-79		
<u> </u>					

[PLL-A UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
L29	6130000990	Coil	LB-135
L30	6110001720	Coil	LA-258
L31 L32	6150000970 6180001410	Coil Coil	LS-112 LAL 02KR 100K
L32	6180000900	Coil	LAL 03NA 101K
L34	6180000880	Coil	LAL 03NA 100K
L35	6180000880	Coil	LAL 03NA 100K
L36	6180001300	Coil	LAL 02NA 100K
L37 L38	6180000880 6180001410	Coil Coil	LAL 03NA 100K LAL 02KR 100K
L39	6180002430	Coil	LAL 04NA 470K
L40	6180000880	Coil	LAL 03NA 100K
L41	6180001410	Coil	LAL 02KR 100K
L42	6180000880	Coil	LAL 03NA 100K
L43 L44	6180001410 6180001410	Coil Coil	LAL 02KR 100K LAL 02KR 100K
L45	6180000880	Coil	LAL 03NA 100K
L46	6180001410	Coil	LAL 02KR 100K
L47	6180000880	Coil	LAL 03NA 100K
L51 L52	6130001860 6180001380	Coil Coil	LB-203 LAL 02KR 1R0K
L52 L54	6110001650	Coil	LA-248
L55	6110002110	Coil	LA-382
L58	6110002110	Coil	LA-382
L57	6110001530	Coil	LA-233
L58 L59	6110001620 6110001690	Coil Coil	LA-245 LA-255
L66	6180000900	Coil	LAL 03NA 101K
L67	6180001380	Coil	LAL 02KR 1R0K
L68	6180000690	Coil	LAL 03NA R22M
L69	6180000770	Coil	LAL 03NA 1ROM
L70 L71	6140000930 6140000930	Coil Coil	LR-116 LR-116
L72	6180001300	Coil	LAL 02NA 100K
L73	6180001410	Coil	LAL 02KR 100K
L74	6180000880	Coil	LAL 03NA 100K
L75 L78	6180000900 6180002420	Coil Coil	LAL 03NA 101K LAL 02KR R39K
	0100002420	0011	EAE SERVI FISOR
R1	7010003240	Resistor	ELR20J 47 Ω
R2	7010003240	Resistor	ELR20J 220 Ω
R3	7010004070	Resistor	R20J 100 Ω
R4	7010004310	Resistor	R20J 8.2 kΩ
R5	7010003580	Resistor	ELR20J 22 kΩ
R11 R12	7010003490 7010004070	Resistor Resistor	ELR20J 5.6 kΩ R20J 100 Ω
R14	7010003480	Resistor	ELR20J 4.7 kΩ
R15	7010004030	Resistor	R20J 47 Ω
R16	7010003810	Resistor	ELR20J 2.2 MQ
R18 R23	7010004190 7010003410	Resistor Resistor	R20J 1 kΩ ELR20J 1.2 kΩ
R24	7010003410	Resistor	ELR20J 1.2 kΩ ELR20J 100 Ω
R27	7010003400	Resistor	ELR20J 1 kΩ
R28	7010003530	Resistor	ELR20J 10 kΩ
R29 R30	7010003240 7010003620	Resistor Resistor	ELR20J 47 Ω ELR20J 47 kΩ
R31	7010003620	Resistor	ELR20J 47 KΩ ELR20J 100 Ω
R32	7010003400	Resistor	ELR20J 1 kQ
R33	7010001280	Resistor	R25XJ 10 kΩ
R34	7010003700	Resistor	ELR20J 220 kΩ
R35 R36	7010003440 7010003280	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 100 Ω
R37	7010003280	Resistor	R20J 100 Ω
R39	7010003280	Resistor	ELR20J 100 Ω
R41	7010003320	Resistor	ELR20J 220 Ω
R42 R43	7010003820 7010003510	Resistor Resistor	ELR20J 3.3 MΩ ELR20J 6.8 kΩ
R43	7010003510	Resistor	ELR20J 6.8 KQ ELR20J 39 kQ
R45	7010004070	Resistor	R20J 100 Ω
R46	7010001150	Resistor	R25XJ 1 kΩ
R47	7010003810	Resistor	ELR20J 2.2 MΩ

[PLL-A UNIT]

ORDER REF. **DESCRIPTION** NO. NO. R20J 820 Q 7010004180 Resistor R48 Resistor R20J 5.6 Q 7010003920 R49 ELR20J 100 O Resistor R50 7010003280 ELR20J 470 O R51 7010003360 Resistor 7010003490 Resistor ELR20J 5.6 kΩ **R52** ELR20J 220 Q 7010003320 Resistor **R53** 7010003390 Resistor ELR20J 820 Q R54 R20J 820 Q 7010004180 Resistor **R55** R20J 5.6 Q R56 7010003920 Resistor 7010003400 Resistor ELR20J 1 kQ **R57** R20J 47 kΩ R58 7010004410 Resistor R20J 820 Q R59 7010004180 Resistor ELR20J 1 kQ 7010003400 Resistor Rec R25XJ 10 kQ Resistor 7010001280 **R61** R62 7010004230 Resistor R20J 2.2 kΩ R63 7010004320 Resistor R20J 10 kQ 7010003620 Resistor ELR20J 47 kQ R64 7010004270 Resistor R20J 4.7 kΩ **R71** Resistor ELR20J 1 kQ 7010003400 R72 FLR20J 22 kO **R73** 7010003580 Resistor R74 7010004110 Resistor R20J 220 Q 7010004190 Resistor R₂₀J **R76** 1 kΩ 7010004190 Resistor R₂₀J 1 kQ **R78** Resistor R20J 270 Q 7010004120 R79 R20J 330 Q Ran 7010004130 Resistor R81 7010004070 Resistor R20J 100 Q R82 7010003400 Resistor ELR20J 1 kQ R83 7010003580 Resistor ELR20J 22 kQ ELR20J 470 Q 7010003360 Resistor **R84** ELR20J 5.6 kΩ 7010003490 **R85** Resistor ELR20J 220 Q Resistor **R86** 7010003320 R91 7010001230 Resistor R25XJ 4.7 kQ 7010003660 Resistor ELR20J 100 kΩ R93 ELR20J 100 kΩ 7010003660 Resistor R94 7010003380 Resistor ELR20J 680 Ω R95 ELR20J 100 Q 7010003280 Resistor ROR ELR20J 1.2 kO R102 7010003410 Resistor R103 7010004280 Resistor R20J 5.6 kQ 7010003280 Resistor ELR20J 100 Q R104 7010004070 Resistor R20J 100 Ω R105 R20J 270 Q Resistor R106 7010004120 R20J 18 O R107 7010003980 Resistor ELR20J 270 O R108 7010003330 Resistor R110 7010003240 Resistor ELR20J 47 Q 7010003580 Resistor ELR20J 22 kΩ R117 R20J 5.8 kQ 7010004280 Resistor R118 ELR20J 2.2 kΩ 7010003440 Resistor R122 R20J 4.7 Q 7010003910 Resistor R124 R20J 270 Q 7010004120 R126 Resistor R127 7010003980 Resistor R20J 18 O 7010004120 Resistor R20J 270 Q R128 7010004120 Resistor R20J 270 Q R130 7010003980 Resistor R20J 18 Q R131 R20J 270 Q 7010004120 Resistor R132 R133 7010003550 Resistor ELR20J 15 kO R137 7510000320 **Thermistor** ERT-D2ZGL202S 7510000320 **Thermistor** ERT-D2ZGL202S R138 Barrier Layer UAT 05X 472K C1 4040000150 C2 4010000220 Ceramic DD104 SL 330J 50V СЗ 4010000860 Ceramic **DD106 CH 470J 50V** C4 4010000380 Ceramic **DD107 SL 221J 50V** C5 4010000380 Ceramic **DD107 SL 221J 50V DD104 SL 150J 50V** 4010000150 Ceramic C6 **C7** 4010000260 Ceramic DD104 SL 470J 50V C8 4010000120 Ceramic **DD104 SL 100D 50V** C9 4010000520 Ceramic **DD108 B 472K 50V** DD104 SL 060D 50V C10 4010000080 Ceramic 4010000080 Ceramic **DD104 SL 060D 50V** C11 4040000150 **Barrier Laver UAT 05X 472K** C12 DD108 B 472K 50V C13 4010000520 Ceramic C14 4040000260 **Barrier Laver** UZF 08X 104M C15 4510004020 Electrolytic 50 MV 3R3 HW **DD106 F 103Z 50V** C16 4010000560 Ceramic 10 MV 470 HW 4510004010 Electrolytic C17 **DD107 SL 221J 50V** C21 4010000380 Ceramic C23 4040000260 **Barrier Layer UZE 08X 104M**

[PLL-A UNIT]

REF.	ORDER NO.		DESCRIPTION
C25	4010000520	Ceramic	DD108 B 472K 50V
C26	4010000520	Ceramic	DD108 B 472K 50V
C27	4010000040	Ceramic	DD104 SL 020C 50V
C28 C29	4010000120 4010000300	Ceramic Ceramic	DD104 SL 100D 50V DD104 SL 680J 50V
C30	4010000260	Ceramic	DD104 SL 470J 50V
C31	4010000280	Ceramic Ceramic	DD104 SL 560J 50V DD104 SL 270J 50V
C32 C33	4010000200 4010000240	Ceramic	DD104 SL 2703 50V DD104 SL 390J 50V
C34	4010000520	Ceramic	DD108 B 472K 50V
C35 C36	4040000260 4010000500	Barrier Layer Ceramic	UZE 08X 104M DD104 B 102K 50V
C37	4010000280	Ceramic	DD104 SL 580J 50V
C38	4510003790	Electrolytic	16 MV 10 SW
C39 C40	4010000500 4040000150	Ceramic Barrier Layer	DD104 B 102K 50V UAT 05X 472K
C41	4010000520	Ceramic	DD108 B 472K 50V
C42	4010000500	Ceramic	DD104 B 102K 50V
C43 C44	4010000260 4010000270	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 510J 50V
C45	4010000300	Ceramic	DD104 SL 680J 50V
C48	4010000020	Ceramic	DD104 SL 010C 50V
C47 C48	4010004640 4010000300	Ceramic Ceramic	DD104 SL 130J 50V DD104 SL 680J 50V
C49	4010000340	Ceramic	DD105 SL 121J 50V
C50	4010000330	Ceramic	DD105 SL 101J 50V
C51 C52	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C53	4040000260	Barrier Layer	UZE 08X 104M
C54	4010000380	Ceramic	DD107 SL 221J 50V
C55 C56	4010000520 4510003780	Ceramic Electrolytic	DD108 B 472K 50V 10 MV 100 SW
C57	4040000430	Barrier Layer	RAU 05SA 221K
C58	4010000080	Ceramic	DD104 SL 060D 50V
C59 C60	4040000430 4010000380	Barrier Layer Ceramic	RAU 05SA 221K DD107 SL 221J 50V
C61	4010000080	Ceramic	DD104 SL 040C 50V
C62	4010000020	Ceramic	DD104 SL 010C 50V
C63 C64	4510003980 4010000500	Electrolytic Ceramic	10 MV 100 HWS (5X11) DD104 B 102K 50V
C65	4550000350	Tantalum	DN 1V 010M
C66 C67	4550000350 4010000520	Tantalum Ceramic	DN 1V 010M DD108 B 472K 50V
C68	4010000500	Ceramic	DD104 B 102K 50V
C69	4010004840	Ceramic	DD305 F 104Z 12V
C70 C71	4010000520 4010000500	Ceramic Ceramic	DD108 B 472K 50V DD104 B 102K 50V
C72	4010000180	Ceramic	DD104 SL 220J 50V
C73	4010000380	Ceramic	DD107 SL 221J 50V
C74 C75	4010000380 4010000380	Ceramic Ceramic	DD107 SL 221J 50V DD107 SL 221J 50V
C76	4010000520	Ceramic	DD108 B 472K 50V
C77	4010000520	Ceramic	DD108 B 472K 50V
C78 C79	4010000140 4010000380	Ceramic Ceramic	DD104 SL 120J 50V DD107 SL 221J 50V
C80	4040000480	Barrier Layer	RAU 04AK R75C
C81	4010000150	Ceramic	DD104 SL 150J 50V
C82 C83	4010000460 4010000520	Ceramic Ceramic	DD104 B 471K 50V DD108 B 472K 50V
C84	4010000240	Ceramic	DD104 SL 390J 50V
C85	4010000300	Ceramic	DD104 SL 680J 50V
C86 C87	4010000240 4040000260	Ceramic Barrier Layer	DD104 SL 390J 50V UZE 08X 104M
C88	4010000500	Ceramic	DD104 B 102K 50V
C89 C90	4010000500 4010000070	Ceramic Ceramic	DD104 B 102K 50V DD104 SL 050C 50V
C91	4010000070	Ceramic	DD104 SE 030C 30V DD108 B 472K 50V
C92	4010000520	Ceramic	DD108 B 472K 50V
C96 C97	4040000430 4040000260	Barrier Layer Barrier Layer	RAU 05SA 221K UZE 08X 104M
C98	4550002450	Tantalum	DN 1V 1R5M
C99	4010000720	Ceramic	DD104 CH 120J 50V
C100 C101	4010000820 4010000660	Ceramic Ceramic	DD105 CH 330J 50V DD104 CH 060D 50V
C102	4510003880	Electrolytic	10 MV 47 HW
C103	4010000520	Ceramic	DD108 B 472K 50V
C105 C109	4020000010 4010000520	Cylinder Ceramic	UP125 SL 010M DD108 B 472K 50V
	15.300020		

[PLL-A UNIT]

[PEL-A UNIT]				
REF. NO.	ORDER NO.		DESCRIPTION	
C110	4510003780	Electrolytic	10 MV 100 SW	
C111	4010000600	Ceramic	DD104 CK 010C 50V	
C115 C116	4510003920 4510003890	Electrolytic Electrolytic	16 MV 100 HW 16 MV 10 HW	
C116	4010003890	Ceramic	DD104 B 102K 50V	
C118	4510003790	Electrolytic	16 MV 10 SW	
C119	4040000150	Barrier Layer	UAT 05X 472K	
C120	4010000520	Ceramic	DD108 B 472K 50V	
C121	4610000800	Trimmer	CV38B 0601	
C122	4010000770 4010000630	Ceramic Ceramic	DD104 CH 200J 50V DD104 CJ 030C 50V	
C123 C125	4010000520	Ceramic	DD104 CJ 030C 50V DD108 B 472K 50V	
C126	4010000520	Ceramic	DD108 B 472K 50V	
C127	4010000140	Ceramic	DD104 SL 120J 50V	
C130	4010000500	Ceramic	DD104 B 102K 50V	
C131	4010003760	Ceramic	DD104 CK 0R5C 50V	
C133	4510003790	Electrolytic	16 MV 10 SW DD108 B 472K 50V	
C134 C135	4010000520 4010000080	Ceramic Ceramic	DD108 B 472K 50V DD104 SL 080D 50V	
C135	4010000500	Ceramic	DD104 B 102K 50V	
C149	4040000260	Barrier Layer	UZE 08X 104M	
C150	4010000120	Ceramic	DD104 SL 100D 50V	
C154	4010000520	Ceramic	DD108 B 472K 50V	
C155	4010000520	Ceramic	DD108 B 472K 50V	
C158	4040000260 4010000520	Barrier Layer Ceramic	UZE 08X 104M DD108 B 472K 50V	
C158	4040000260	Barrier Layer	UZE 08X 104M	
C161	4040000260	Barrier Layer	UZE 08X 104M	
C162	4010000520	Ceramic	DD108 B 472K 50V	
C163	4040000260	Barrier Layer	UZE 08X 104M	
C165	4510003960	Electrolytic	50 MV 1 HW	
C170	4040000260 4010000040	Barrier Layer Ceramic	UZE 08X 104M DD104 SL 020C 50V	
C171 C172	4010000020	Ceramic	DD104 SL 020C 50V	
C173	4010000020	Ceramic	DD104 SL 010C 50V	
C175	4510003890	Electrolytic	16 MV 10 HW	
C176	4010000520	Ceramic	DD108 B 472K 50V	
C177	4510003790	Electrolytic	16 MV 10 SW	
C181 C182	4040000260 4010000520	Barrier Layer Ceramic	UZE 08X 104M DD108 B 472K 50V	
C182	4040000150	Barrier Layer	UAT 05X 472K	
C186	4040000260	Barrier Layer	UZE 08X 104M	
C187	4510003890	Electrolytic	16 MV 10 HW	
C188	4040000260	Barrier Layer		
C191	4010000050	Ceramic	DD104 SL 030C 50V	
C192 C193	4010000460 4010000460	Ceramic Ceramic	DD104 B 471K 50V DD104 B 471K 50V	
C193	4010000460	Ceramic Ceramic	DD104 B 471K 50V	
C195	4010000460	Ceramic	DD104 B 471K 50V	
C197	4040000260	Barrier Layer	UZE 08X 104M	
C203	4010004640	Ceramic	DD104 SL 130J 50V	
C204	4010000150	Ceramic	DD104 SL 150J 50V	
EP1	0910023964	P.C. Board	B 2115D (PLL-A)	
EP2	6910000630	Bead core	FSOH070RN	

[430 DDS UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1140000500	IC	SC1051
IC2	1130005570	IC	SC1052
IC3	1130005580	IC	SC1053
IC4	1130002461	IC	TC74HCT374AF
IC5	1130002461	IC	TC74HCT374AF
IC8	1130003830	IC	TC7S04F (TE85R)
Х1	8050003230	Crystal	CR-180L1 6200000040CoilL1

[430 DDS UNIT]

REF.	ORDER		
NO.	NO.		DESCRIPTION
L1	6200000040	Coil	LQN 5N 331K
L2	6200000040	Coil	LQN 5N 331K
L3	6200000040	Coil	LQN 5N 331K
١			MOD4057111 4 MO (405)
R1	7030000740	Resistor	MCR10EZHJ 1 MΩ (105)
R2	7030000360	Resistor	MCR10EZHJ 680 Ω (681)
R3 R4	7030000420 7410000320	Resistor	MCR10EZHJ 2.2 kΩ (222)
R5	7030000500	Resistor Array Resistor	MCR10EZHJ 10 kΩ (103)
R6	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
R7	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
n'	7030000500	nesisioi	MCR10E2H3 10 K2 (103)
C1	4610000520	Trimmer	TZB04N100BA006
C2	4030000950	Ceramic	GRM40 CH 330J 50P T
C3	4030001150	Ceramic	GRM40 F 104Z 25PT
C7	4030000720	Ceramic	GRM40 SL 680J 50P T
C8	4030000560	Ceramic	GRM40 SL 020C 50P T
C9	4030000750	Ceramic	GRM40 SL 121J 50P T
C10	4030000610	Ceramic	GRM40 SL 070D 50P T
C11	4030000750	Ceramic	GRM40 SL 121J 50P T
C12	4030000640	Ceramic	GRM40 SL 120J 50P T
C13	4030000720	Ceramic	GRM40 SL 680J 50P T
C14	4030001150	Ceramic	GRM40 F 104Z 25PT
C15	4030001150	Ceramic	GRM40 F 104Z 25PT
C16	4030001150	Ceramic	GRM40 F 104Z 25PT
C17	4030001150	Ceramic	GRM40 F 104Z 25PT
C18	4030002430	Ceramic	GRM40 TH 220J 50P T
C19	4030001100	Ceramic	GRM40 B 102K 50PT
C20	4030001100	Ceramic	GRM40 B 102K 50PT
C21	4030001150	Ceramic	GRM40 F 104Z 25PT
EP1	0910028230	P.C. Board	B 2853 (430 DDS)
L .	0010020230	r.o. board	2000 (400 000)

[144 DDS UNIT]

טט דדון	0 014111		
REF. NO.	ORDER NO.		DESCRIPTION
IC1	1140000500	IC	SC1051
IC2	1130005570	IC	SC1052
IC3	1130005580	IC	SC1053
IC4	1130002461	IC	TC74HCT374AF
IC5	1130002461	IC	TC74HCT374AF
IC6	1130003830	IC	TC7S04F (TE85R)
X1	6050003230	Crystal	CR-180
L1	6200000040	Coil	LQN 5N 331K
L2	6200000040	Coil	LQN 5N 331K
L3	6200000040	Coil	LQN 5N 331K
R1 R2 R3 R4 R5 R6 R7	7030000740 7030000360 7030000420 7410000320 7030000500 7030000500	Resistor Resistor Resistor Resistor Array Resistor Resistor	MCR10EZHJ 1 M Ω (105) MCR10EZHJ 680 Ω (681) MCR10EZHJ 2.2 k Ω (222) GF 5096 MCR10EZHJ 10 k Ω (103) MCR10EZHJ 10 k Ω (103) MCR10EZHJ 10 k Ω (103)
C1	4610000520	Trimmer	TZB04N100BA006
C2	4030000950	Ceramic	GRM40 CH 330J 50P T
C3	4030001150	Ceramic	GRM40 F 104Z 25PT
C7	4030000720	Ceramic	GRM40 SL 680J 50P T
C8	4030000560	Ceramic	GRM40 SL 020C 50P T
C9	4030000750	Ceramic	GRM40 SL 121J 50P T
C10	4030000610	Ceramic	GRM40 SL 070D 50P T
C11	4030000750	Ceramic	GRM40 SL 121J 50P T
C12	4030000640	Ceramic	GRM40 SL 120J 50P T
C13	4030000720	Ceramic	GRM40 SL 680J 50P T



[144 DDS UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C14	4030001150	Ceramic	GRM40 F 104Z 25PT
C15	4030001150	Ceramic	GRM40 F 104Z 25PT
C16	4030001150	Ceramic	GRM40 F 104Z 25PT
C17	4030001150	Ceramic	GRM40 F 104Z 25PT
C18	4030002430	Ceramic	GRM40 TH 220J 50P T
C19	4030001100	Ceramic	GRM40 B 102K 50PT
C20	4030001100	Ceramic	GRM40 B 102K 50PT
C21	4030001150	Ceramic	GRM40 F 104Z 25PT
EP1	0910028230	P.C. Board	B 2853 (144 DDS)

[PLL-B UNIT]

REF. NO. DESCRIPTION	
IC2	
IC3	
IC4	
IC5	
IC8	
IC7	
Q1 1560000130 FET 2SK125 Q2 1530002210 Transistor 2SC3776-D	
Q2 1530002210 Transistor 2SC3776-D	
Q2 1530002210 Transistor 2SC3776-D	
Q3 1530000150 Transistor 2SC2668-O	
Q4 1590000360 Transistor RN2202	
Q5 1590000340 Transistor RN1202	
Q6 1530002210 Transistor 2SC3776-D	
Q7 1530000150 Transistor 2SC2668-O	
Q8 1530000150 Transistor 2SC2868-O	
Q9 1530002210 Transistor 2SC3776-D	
Q10 1590000340 Transistor RN1202	
Q11 1530000940 Transistor 2SC1571G	
Q12 1530000940 Transistor 2SC1571G	
Q13 1560000130 FET 2SK125	
Q14 1530000940 Transistor 2SC1571G	
Q15 1510000070 Transistor 2SA1048-Y	
Q16 1530000150 Transistor 2SC2668-O	
Q17 1530000591 Transistor 2SC2785 EL	
Q18 1530000150 Transistor 2SC2668-O	
Q19 1530000150 Transistor 2SC2668-O	
Q20 1580000110 FET 3SK74 M	
Q21 1530000150 Transistor 2SC2668-O	
Q24 1530000591 Transistor 2SC2785 EL	
Q25 1560000090 FET 2SK192A-GR	
Q27 1530000150 Transistor 2SC2668-O	
D2 1720000290 Varicap 1T32	
D3 1710000050 Diode 1SS53	
D4 1710000160 Diode 1SS133	
D6 1710000160 Diode 1SS133	
D9 1720000060 Varicap 1SV50(1)E	
L1 6140000580 Coil LR-79	
L2 6180001380 Coil LAL 02KR 1R0K	
L3 6110001530 Coil LA-233	
L4 6150000990 Coil LS-114	
L5 6150000990 Coil LS-114	
L6 6110001660 Coil LA-252	
L7 6110001980 Coil LA-222	
L8 6180002400 Coil LAL 02NA 1R0K	
L9 6180000770 Coil LAL 03NA 1R0M	
L10 6180002400 Coil LAL 02NA 1R0K	
L11 6180000730 Coil LAL 03NA R47M	
L12 8180001410 Coil LAL 02KR 100K	
L13 6110001520 Coil LA-232	
L14 6180000770 Coil LAL 03NA 1R0M	

[PLL-B UNIT]

HEF. OND. DESCRIPTION	PLL-B	ן זואט		
L16 811000230 Coil LA-322 L17 8110002100 Coil LA-234 L18 8110002101 Coil LA-224 L20 818001380 Coil LA-224 L21 818001410 Coil LAL 02KR 100K L21 818001310 Coil LA-222 L23 8110001530 Coil LA-233 L24 8150001310 Coil LA-233 L25 8150001310 Coil LA-234 L26 8180000900 Coil LAL 03NA 101K L27 8180000900 Coil LA-234 L30 8180000800 Coil LA-234 L30 8180000800 Coil LA-245 L31 6150001310 Coil LA-245 L33 6170000180 Coil LA-245 L34 6110002000 Coil LA-227 L36 6110002130 Coil LA-225 L37 818000240 Coil LA-				DESCRIPTION
117	L15	6110001520	Coil	LA-232
L18 8110002100 Coil LA-224 L20 6180001380 Coil LA-234 L21 6180001410 Coil LAL 02KR 100K L21 6180001310 Coil LAL 22Z L23 6110001530 Coil LA-233 L24 6180001310 Coil LS-145 L25 6180000900 Coil LS-145 L26 618000900 Coil LAL 03NA 101K L27 618000900 Coil LAL 03NA 101K L28 6140000580 Coil LA-234 L30 618000900 Coil LA-234 L33 6150001310 Coil LA-234 L33 6150001310 Coil LA-231 L33 6170002160 Coil LA-232 L31 6110002130 Coil LA-232 L34 6110002130 Coil LA-227 L36 6110002140 Coil LA-227 L38 6110001520 Coil		I		
L19				
1200 180001380 Coil LAL 02KR 1R0K				
123				LAL 02KR 1R0K
L24				
L25				
L25				
L28				LS-145
L29				
Lag				
L31				
Coli				
L33				
L34				
L35				
L37				
L39	L36	6110002040	Coil	LA-225
Coil				
L43				
L44				
L46	L44		Coil	
L47				
L48				
L49		· .		
L52				LAL 02KR 1R0K
L53				
L54				
L55				
Late Late		6180001380	Coil	LAL 02KR 1R0K
L70				
L71				
L73				
L75		6180000900	Coil	
L76				
L77				
R1				
R1 7010004110 Resistor R20J 220 Ω R2 7010003180 Resistor ELR20J 10 Ω R3 7010004070 Resistor R20J 100 Ω R4 7010001150 Resistor R20J 150 Ω R5 7010004180 Resistor R20J 560 Ω R6 701000490 Resistor R20J 150 Ω R7 7010003420 Resistor ELR20J 1.5 kΩ R8 7010003320 Resistor ELR20J 2.0 Ω R10 7010003420 Resistor ELR20J 2.0 Ω R11 7010003530 Resistor ELR20J 1.5 kΩ R12 7010003300 Resistor ELR20J 1.5 kΩ R13 7010003920 Resistor R20J 5.6 Ω R14 7010003920 Resistor R20J 5.8 kΩ R15 7010003300 Resistor ELR20J 1.0 Ω R18 7010003390 Resistor	L78		Coil	
R2 7010003160 Resistor ELR20J 10 Q R3 7010004070 Resistor R20J 100 Q R4 7010001150 Resistor R25XJ 1 kQ R5 7010004160 Resistor R20J 560 Q R6 701000420 Resistor R20J 150 Q R7 7010003420 Resistor ELR20J 1.5 kQ R9 7010003320 Resistor ELR20J 220 Q R10 701000350 Resistor ELR20J 1.5 kQ R11 7010003300 Resistor ELR20J 150 Q R12 7010003300 Resistor ELR20J 150 Q R13 701000390 Resistor R20J 6.8 kQ R15 7010003280 Resistor ELR20J 100 Q R16 701000330 Resistor ELR20J 270 Q R17 701000330 Resistor ELR20J 320 Q R18 701000330 Resistor ELR20J 320 Q R19 701000330 Resistor ELR20J 270 Q R20 70100004120 Resistor </th <th>L79</th> <th>6180001380</th> <th>Coil</th> <th>LAL 02KR 1R0K</th>	L79	6180001380	Coil	LAL 02KR 1R0K
R2 7010003160 Resistor ELR20J 10 Q R3 7010004070 Resistor R20J 100 Q R4 7010001150 Resistor R25XJ 1 kQ R5 7010004160 Resistor R20J 560 Q R6 701000420 Resistor R20J 150 Q R7 7010003420 Resistor ELR20J 1.5 kQ R9 7010003320 Resistor ELR20J 220 Q R10 701000350 Resistor ELR20J 1.5 kQ R11 7010003300 Resistor ELR20J 150 Q R12 7010003300 Resistor ELR20J 150 Q R13 701000390 Resistor R20J 6.8 kQ R15 7010003280 Resistor ELR20J 100 Q R16 701000330 Resistor ELR20J 270 Q R17 701000330 Resistor ELR20J 320 Q R18 701000330 Resistor ELR20J 320 Q R19 701000330 Resistor ELR20J 270 Q R20 70100004120 Resistor </th <th></th> <th></th> <th></th> <th></th>				
R3 7010004070 Resistor R20J 100 Ω R4 7010001150 Resistor R25XJ 1 kΩ R5 7010004160 Resistor R20J 580 Ω R6 7010004290 Resistor R20J 150 Ω R7 7010003420 Resistor ELR20J 1.5 kΩ R9 7010003320 Resistor ELR20J 220 Ω R10 7010003420 Resistor ELR20J 1.5 kΩ R11 7010003530 Resistor ELR20J 150 Ω R12 7010003300 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.6 Ω R14 7010003300 Resistor R20J 8.8 kΩ R15 7010003300 Resistor ELR20J 100 Ω R16 7010003300 Resistor ELR20J 270 Ω R17 7010003300 Resistor ELR20J 270 Ω R18 7010003300 Resistor R25XJ 100 Ω R20 7010003400 Resistor R25XJ 18 Ω R21 7010003400 Resisto	R1	7010004110	Resistor	R20J 220 Ω
R4 7010001150 Resistor R25XJ 1 kΩ R5 7010004180 Resistor R20J 580 Ω R8 7010004090 Resistor R20J 150 Ω R7 7010003420 Resistor ELR20J 1.5 kΩ R8 701000320 Resistor R20J 3.3 kΩ R9 701000320 Resistor ELR20J 220 Ω R10 7010003530 Resistor ELR20J 10 kΩ R12 7010003300 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.6 Ω R14 701000320 Resistor R20J 6.8 kΩ R15 7010003280 Resistor ELR20J 100 Ω R16 7010003390 Resistor ELR20J 270 Ω R17 701000330 Resistor ELR20J 270 Ω R18 701000330 Resistor ELR20J 270 Ω R19 701000340 Resistor R25XJ 18 Ω R20 7010004120 Resistor R25XJ 18 Ω R21 7010003400 Resistor				
R5 7010004160 Resistor R20J 560 Ω R6 7010004090 Resistor R20J 150 Ω R7 7010003420 Resistor ELR20J 1.5 kΩ R8 701000320 Resistor R20J 3.3 kΩ R9 701000320 Resistor ELR20J 220 Ω R10 7010003420 Resistor ELR20J 1.5 kΩ R11 7010003530 Resistor ELR20J 150 Ω R12 7010003300 Resistor R20J 5.6 Ω R14 7010003920 Resistor R20J 5.6 Ω R15 7010003280 Resistor ELR20J 100 Ω R16 7010003330 Resistor ELR20J 270 Ω R17 7010003390 Resistor ELR20J 270 Ω R18 7010003300 Resistor ELR20J 270 Ω R19 7010000340 Resistor R25XJ 100 Ω R20 7010004120 Resistor R25XJ 18 Ω R21 7010003400 Resistor ELR20J 3.3 kQ R22 7010003400 Resis				
R6 7010004090 Resistor R20J 150 Ω R7 7010003420 Resistor ELR20J 1.5 kΩ R8 7010003420 Resistor R20J 3.3 kΩ R9 7010003420 Resistor ELR20J 220 Ω R10 7010003420 Resistor ELR20J 21.5 kΩ R11 7010003530 Resistor ELR20J 150 Ω R12 7010003920 Resistor R20J 5.6 Ω R14 7010003920 Resistor R20J 5.8 kΩ R15 7010003280 Resistor ELR20J 100 Ω R16 7010003300 Resistor ELR20J 270 Ω R17 7010003190 Resistor ELR20J 270 Ω R18 701000330 Resistor ELR20J 270 Ω R19 701000130 Resistor R25XJ 100 Ω R20 701000340 Resistor R25XJ 18 Ω R21 701000340 Resistor ELR20J 3.3 kQ R22 701000340 Resistor ELR20J 2.2 kQ R24 7010003280 Re				
R7 7010003420 Resistor ELR20J 1.5 kΩ R8 7010004250 Resistor R20J 3.3 kΩ R9 7010003320 Resistor ELR20J 220 Ω R10 7010003420 Resistor ELR20J 1.5 kΩ R11 7010003530 Resistor ELR20J 10 kΩ R12 7010003920 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.8 Ω R14 7010003280 Resistor R20J 6.8 kΩ R15 7010003380 Resistor ELR20J 100 Ω R18 7010003390 Resistor ELR20J 270 Ω R18 7010003190 Resistor ELR20J 270 Ω R19 701000330 Resistor R25XJ 100 Ω R20 7010004120 Resistor R25XJ 18 Ω R21 701000340 Resistor ELR20J 3.3 kQ R22 7010003580 Resistor ELR20J 3.3 kQ R23 7010003280 Resistor ELR20J 22 kQ R24 7010003390 <		1		
R9 7010003320 Resistor ELR20J 220 Ω R10 7010003420 Resistor ELR20J 1.5 kΩ R11 7010003530 Resistor ELR20J 10 kΩ R12 7010003300 Resistor ELR20J 150 Ω R13 701000390 Resistor R20J 5.6 Ω R14 7010003280 Resistor R20J 6.8 kΩ R15 7010003330 Resistor ELR20J 100 Ω R16 7010003390 Resistor ELR20J 270 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 701000330 Resistor R25XJ 100 Ω R20 7010004120 Resistor R25XJ 18 Ω R21 7010003460 Resistor ELR20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kΩ R23 701000380 Resistor ELR20J 2.2 kΩ R24 701000390 Resistor ELR20J 820 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 <		7010003420		
R10 7010003420 Resistor ELR20J 1.5 kΩ R11 7010003530 Resistor ELR20J 10 kΩ R12 7010003300 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.6 Ω R14 7010003280 Resistor R20J 6.8 kΩ R15 7010003390 Resistor ELR20J 100 Ω R16 7010003190 Resistor ELR20J 270 Ω R17 701000330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010003400 Resistor ELR20J 3.3 kQ R22 7010003400 Resistor ELR20J 3.2 kΩ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 820 Ω				
R11 7010003530 Resistor ELR20J 10 kΩ R12 7010003300 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.6 Ω R14 7010004300 Resistor R20J 8.8 kΩ R15 7010003280 Resistor ELR20J 100 Ω R18 7010003390 Resistor ELR20J 270 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003400 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kΩ R24 701000390 Resistor ELR20J 820 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 820 Ω				
R12 7010003300 Resistor ELR20J 150 Ω R13 7010003920 Resistor R20J 5.6 Ω R14 7010004300 Resistor R20J 8.8 kΩ R15 7010003280 Resistor ELR20J 100 Ω R16 7010003330 Resistor ELR20J 270 Ω R17 7010003190 Resistor ELR20J 270 Ω R18 701000330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R25XJ 270 Ω R22 7010003400 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kQ R24 701000390 Resistor ELR20J 100 Q R25 7010003390 Resistor ELR20J 820 Q R26 7010003390 Resistor ELR20J 820 Q R26 7010003400 Resistor ELR20J 1 kQ		1		
R14 7010004300 Resistor R20J 6.8 kΩ R15 7010003280 Resistor ELR20J 100 Ω R16 7010003330 Resistor ELR20J 270 Ω R17 7010003190 Resistor ELR20J 270 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 7010004120 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kΩ R23 7010003580 Resistor ELR20J J 22 kΩ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003400 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ	R12	7010003300	Resistor	ELR20J 150 Ω
R15 7010003280 Resistor ELR20J 100 Ω R16 7010003330 Resistor ELR20J 270 Ω R17 7010003190 Resistor ELR20J 18 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kΩ R23 7010003480 Resistor ELR20J 22 kΩ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ				
R16 7010003330 Resistor ELR20J 270 Ω R17 7010003190 Resistor ELR20J 18 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kΩ R23 7010003580 Resistor ELR20J 22 kΩ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ]		
R17 7010003190 Resistor ELR20J 18 Ω R18 7010003330 Resistor ELR20J 270 Ω R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kΩ R23 7010003580 Resistor ELR20J 22 kΩ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ		1		
R19 7010001030 Resistor R25XJ 100 Ω R20 701000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003480 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kQ R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ		1		
R20 7010000940 Resistor R25XJ 18 Ω R21 7010004120 Resistor R20J 270 Ω R22 7010003480 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kQ R24 7010003280 Resistor ELR20J 100 Q R25 7010003390 Resistor ELR20J 820 Q R26 7010003390 Resistor ELR20J 820 Q R27 7010003400 Resistor ELR20J 1 kQ		I		
R21 7010004120 Resistor R20J 270 Ω R22 7010003460 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kQ R24 7010003280 Resistor ELR20J 100 Q R25 7010003390 Resistor ELR20J 820 Q R26 7010003390 Resistor ELR20J 820 Q R27 7010003400 Resistor ELR20J 1 kQ				
R22 7010003460 Resistor ELR20J 3.3 kQ R23 7010003580 Resistor ELR20J 22 kQ R24 7010003280 Resistor ELR20J 100 Q R25 7010003390 Resistor ELR20J 820 Q R26 7010003390 Resistor ELR20J 820 Q R27 7010003400 Resistor ELR20J 1 kQ				
R24 7010003280 Resistor ELR20J 100 Ω R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ	R22			ELR20J 3.3 kQ
R25 7010003390 Resistor ELR20J 820 Ω R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ		I		
R26 7010003390 Resistor ELR20J 820 Ω R27 7010003400 Resistor ELR20J 1 kΩ				
R27 7010003400 Resistor ELR20J 1 kΩ		1		
R28 7010004310 Resistor R20J 8.2 kΩ	R27	7010003400	Resistor	ELR20J 1 kΩ
	R28	7010004310	Resistor	R20J 8.2 kΩ

[PLL-B UNIT]

REF. ORDER				
NO.	NO.		DESCRIPTION	
R29	7010004280	Resistor Resistor	R20J 5.6 kΩ ELR20J 22 kΩ	
R30 R31	7010003580 7010001280	Resistor	R25XJ 10 kQ	
R32	7010004070	Resistor	R20J 100 Ω	
R33 R34	7010003440 7010003400	Resistor Resistor	ELR20J 2.2 kQ ELR20J 1 kQ	
R35	7010003470	Resistor	ELR20J 3.9 kQ	
R36 R37	7010001030 7010003950	Resistor Resistor	R25XJ 100 Q R20J 10 Q	
R38	7010003930	Resistor	R25XJ 100 Q	
R39	7010003410	Resistor	ELR20J 1.2 kQ	
R40 R42	7010003300 7010003240	Resistor Resistor	ELR20J 150 Ω ELR20J 47 Ω	
R43	7010003390	Resistor	ELR20J 820 Ω	
R44	7010003130	Resistor Resistor	ELR20J 5.6 Ω ELR20J 820 Ω	
R45 R46	7010003390 7010004120	Resistor	R20J 270 Q	
R47	7010003400	Resistor	ELR20J 1 kQ	
R48 R49	7010003700 7010001210	Resistor Resistor	ELR20J 220 kΩ R25XJ 3.3 kΩ	
R50	7010001210	Resistor	ELR20J 47 Q	
R52	7010003440	Resistor	ELR20J 2.2 kΩ ELR20J 47 Ω	
R53 R54	7010003240 7010004030	Resistor Resistor	R20J 47 Q	
R55	7010003280	Resistor	ELR20J 100 Q	
R56 R57	7010004070 7010003410	Resistor Resistor	R20J 100 Q ELR20J 1.2 kQ	
R58	7010003410	Resistor	ELR20J 47 kQ	
R59	7510000090	Thermistor	ERT-D2FGL202\$	
R60 R61	7010003530 7010003240	Resistor Resistor	ELR20J 10 kΩ ELR20J 47 Ω	
R62	7010001280	Resistor	R25XJ 10 kΩ	
R63 R64	7010004070 7010004190	Resistor Resistor	R20J 100 Ω R20J 1 kΩ	
R65	7010004190	Resistor	ELR20J 270 Q	
R66	7010003190	Resistor	ELR20J 18 Q	
R67 R68	7010003330 7010003530	Resistor Resistor	ELR20J 270 Ω ELR20J 10 kΩ	
R69	7010003530	Resistor	ELR20J 10 kΩ	
R70 R71	7010003620 7010003480	Resistor Resistor	ELR20J 47 kΩ ELR20J 4.7 kΩ	
R72	7010003400	Resistor	ELR20J 1 kΩ	
R73	7010003580	Resistor	ELR20J 22 kΩ	
R74 R76	7010003320 7010004190	Resistor Resistor	ELR20J 220 Q R20J 1 kQ	
R77	7010003620	Resistor	ELR20J 47 kQ	
R79 R80	7010003330 7010003400	Resistor Resistor	ELR20J 270 Ω ELR20J 1 kΩ	
R81	7010003280	Resistor	ELR20J 100 Q	
R82	7010003400	Resistor Resistor	ELR20J 1 kQ	
R83 R84	7010004370 7010003360	Resistor	R20J 22 kΩ ELR20J 470 Ω	
R85	7010003490	Resistor	ELR20J 5.6 kQ	
R86 R90	7010004110 7010003810	Resistor Resistor	R20J 220 Q ELR20J 2.2 MQ	
R91	7010003810	Resistor	R20J 4.7 kΩ	
R93	7010003880	Resistor	ELR20J 100 kΩ	
R94 R95	7010003660 7010003380	Resistor Resistor	ELR20J 100 kQ ELR20J 680 Q	
R96	7010004070	Resistor	R20J 100 Q	
R102 R103	7010003410 7010003490	Resistor Resistor	ELR20J 1.2 kQ ELR20J 5.6 kQ	
R104	7010003480	Resistor	ELR20J 100 Q	
R105	7010003280	Resistor	ELR20J 100 Q	
R106 R107	7010003330 7010003980	Resistor Resistor	ELR20J 270 Ω R20J 18 Ω	
R108	7010003330	Resistor	ELR20J 270 Q	
R118 R126	7010004240 7010004120	Resistor Resistor	R20J 2.7 kQ R20J 270 Q	
R126	7010004120	Resistor	R20J 270 Q R20J 18 Q	
R128	7010004120	Resistor	R20J 270 Ω	
R133 R135	7510000090 7010004320	Thermistor Resistor	ERT-D2FGL202S R20J 10 kΩ	
R136	7010004090	Resistor	R20J 150 Ω	
C1	4010000660	Ceramic	DD104 CH 080D 50V	
C2	4010000820	Ceramic	DD105 CH 330J 50V	

[PLL-B UNIT]

No. No. DESCRIPTION	[PLL-B UNIT]				
Caramic DD104 B 471K 50V				DESCRIPTION	
CS					
Caramic DD104 B 102X 50V Caramic DD104 SL 1740 J 50V Caramic DD104 SL 1741 S0V Caramic DD104 SL 1745					
Cramic DD104 SL 470 J 50V			•	, , , , , , , , , , , , , , , , , , , ,	
C9					
C11					
C12	C9	4010000460	Ceramic		
C13					
C13					
C15					
C17	C14	4010000600	Ceramic	DD104 CK 010C 50V	
C17					
C18					
C19					
C21					
C22	C20	4010000040	Ceramic	DD104 SL 020C 50V	
C23			-		
C24 4010000880 Ceramic DD104 CH 080D 50V C25 4010000800 Ceramic DD104 CH 080D 50V C26 4010000850 Ceramic DD104 CH 050C 50V C27 4010000460 Ceramic DD104 B 471K 50V C28 4010000460 Ceramic DD104 B 471K 50V C31 4010000520 Ceramic DD108 B 472K 50V C32 4010000520 Ceramic DD108 B 472K 50V C33 4010000500 Ceramic DD104 SL 150J 50V C34 4010000500 Ceramic DD104 SL 150J 50V C35 404000280 Ceramic DD104 SL 150J 50V C38 4010000500 Ceramic DD104 B 102K 50V C38 4010000500 Ceramic DD104 CH 050C 50V C39 4010000500 Ceramic DD104 CH 050C 50V C41 4010000300 Ceramic DD105 SL 101J 50V C42 4010000500 Ceramic DD105 SL 101J 50V C43 4010000500 Ceramic DD104 SL 300C 50V					
C25 4010000800 Ceramic DD104 CH 080D 50V C27 4010000800 Ceramic DD104 CK 010C 50V C28 4010000480 Ceramic DD104 B 471K 50V C29 4010000480 Ceramic DD104 B 471K 50V C30 4010000520 Ceramic DD104 B 471K 50V C31 4010000520 Ceramic DD108 B 472K 50V C32 4010000500 Ceramic DD104 SL 150J 50V C34 4010000500 Ceramic DD104 SL 150J 50V C35 4040000280 Barrier Layer UZE 08X 104M C37 4010000500 Ceramic DD104 CH 070D 50V C38 4010000650 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000330 Ceramic DD105 SL 101J 50V C42 4010000500 Ceramic DD104 SL 030C 50V C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000380 Ceramic DD104 SL 030C 50V					
C27					
C28					
C29					
C31					
Caramic					
C33 4010000500 Ceramic DD104 SL 150J 50V C35 4040000500 Barrier Layer UZE 08X 104M C36 4010000500 Ceramic DD104 B 102K 50V C37 4010000650 Ceramic DD104 CH 050C 50V C39 4010000650 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000500 Ceramic DD108 B 472K 50V C43 4010000500 Ceramic DD108 B 102K 50V C44 4010000500 Ceramic DD104 B 102K 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000500 Ceramic DD104 B 102K 50V C46 4010000500 Ceramic DD104 B 102K 50V C48 4010000500 Ceramic DD104 B 102K 50V C48 4010000400 Ceramic DD104 SL 130J 50V C50 4010000600 Ceramic DD104 SL 130J 50V C51 4010000600 Ceramic DD104 SL 130J 50V	C31	4010000520	Ceramic	DD108 B 472K 50V	
C34 4010000500 Ceramic DD104 B 102K 50V C36 4010000500 Ceramic DD104 B 102K 50V C37 4010000650 Ceramic DD104 CH 070D 50V C38 4010000650 Ceramic DD104 CH 050C 50V C39 4010000330 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000520 Ceramic DD108 B 472K 50V C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000380 Ceramic DD104 B 102K 50V C46 4010000380 Ceramic DD104 B 102K 50V C48 4010000280 Ceramic DD104 SL 470J 50V C50 4010000270 Ceramic DD104 SL 130J 50V C51 4010000160 Ceramic DD104 SL 130J 50V C52 4010000270 Ceramic DD104 SL 130J 50V C53 4020000870 Ceramic DD104 SL 130J 50V					
C35 404000280 Barrier Layer UZE 08X 104M C36 4010000500 Ceramic DD104 B 102K 50V C37 4010000670 Ceramic DD104 CH 070D 50V C38 4010000650 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000520 Ceramic DD108 SL 101J 50V C42 4010000520 Ceramic DD108 SL 101J 50V C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000500 Ceramic DD104 B 102K 50V C46 4010000380 Ceramic DD104 B 102K 50V C47 4010000380 Ceramic DD104 SL 130J 50V C49 4010000400 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 180J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C53 4020000670 Ceramic DD104 SL 130J 50V					
C37 4010000670 Ceramic DD104 CH 070D 50V C38 4010000650 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000330 Ceramic DD105 SL 101J 50V C42 4010000520 Ceramic DD108 B 472K 50V C43 4010000500 Ceramic DD104 B 102K 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000380 Ceramic DD104 B 102K 50V C48 4010000380 Ceramic DD104 B 102K 50V C48 4010000280 Ceramic DD104 B 102K 50V C49 4010004840 Ceramic DD104 SL 470J 50V C50 4010000270 Ceramic DD104 SL 130J 50V C51 4010000280 Ceramic DD104 SL 380J 50V C52 4010000240 Ceramic DD104 SL 380J 50V C53 4020000670 Cylinder UP050 SL 470J C54 4010000160 Ceramic DD104 SL 040C 50V <					
C38 4010000850 Ceramic DD104 CH 050C 50V C39 4010000850 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C42 4010000520 Ceramic DD108 B 472K 50V C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000500 Ceramic DD104 B 102K 50V C46 4010000380 Ceramic DD104 B 102K 50V C47 4010000500 Ceramic DD104 B 102K 50V C48 4010000260 Ceramic DD104 SL 470J 50V C49 4010000270 Ceramic DD104 SL 180J 50V C50 4010000270 Ceramic DD104 SL 180J 50V C51 4010000270 Ceramic DD104 SL 180J 50V C52 4010000270 Ceramic DD104 SL 180J 50V C53 4020000870 Ceramic DD104 SL 180J 50V C54 4010000080 Ceramic DD104 CK 020C 50V	C36	4010000500	Ceramic		
C39 4010000850 Ceramic DD104 CH 050C 50V C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000520 Ceramic DD105 SL 101J 50V C42 4010000520 Ceramic DD104 SL 030C 50V C43 4010000500 Ceramic DD104 B 102K 50V C44 4010000500 Ceramic DD104 B 102K 50V C48 4010000380 Ceramic DD107 SL 221J 50V C47 4010000500 Ceramic DD104 B 102K 50V C48 401000080 Ceramic DD104 SL 10J 50V C49 4010004840 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 180J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C52 4010000270 Ceramic DD104 SL 180J 50V C53 402000670 Cylinder UP050 SL 470J C54 4010000600 Ceramic DD104 SL 150J 50V C55 4010000610 Ceramic DD104 CJ 030C 50V <					
C40 4010000330 Ceramic DD105 SL 101J 50V C41 4010000520 Ceramic DD108 B 472K 50V C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000380 Ceramic DD104 B 102K 50V C46 4010000380 Ceramic DD104 B 102K 50V C47 4010000280 Ceramic DD104 B 102K 50V C48 4010000280 Ceramic DD104 B 102K 50V C49 4010004640 Ceramic DD104 B 102K 50V C50 4010000270 Ceramic DD104 SL 130J 50V C51 4010000160 Ceramic DD104 SL 180J 50V C52 4010000270 Ceramic DD104 SL 390J 50V C53 4020000670 Cylinder UP050 SL 470J C54 4010000080 Ceramic DD104 SL 390J 50V C55 4010000620 Ceramic DD104 SL 030C 50V C56 4010000630 Ceramic DD104 CK 020C 50V <t< td=""><th></th><td></td><td></td><td></td></t<>					
C42 4010000520 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000500 Ceramic DD104 B 102K 50V C48 4010000380 Ceramic DD104 B 102K 50V C47 4010000500 Ceramic DD104 B 102K 50V C48 4010000280 Ceramic DD104 SL 470J 50V C49 4010004640 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 130J 50V C51 4010000160 Ceramic DD104 SL 130J 50V C52 4010000240 Ceramic DD104 SL 390J 50V C53 4020000670 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 150J 50V C55 4010000810 Ceramic DD104 SL 150J 50V C55 4010000810 Ceramic DD104 SL 040C 50V C55 4010000810 Ceramic DD104 CJ 030C 50V C58 4010000820 Ceramic DD104 CJ 030C 50V					
C43 4010000500 Ceramic DD104 SL 030C 50V C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000380 Ceramic DD104 B 102K 50V C48 4010000260 Ceramic DD104 B 102K 50V C48 4010000260 Ceramic DD104 SL 470J 50V C49 401000270 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 180J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C52 4010000260 Ceramic DD104 SL 390J 50V C53 4020000670 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 180J 50V C55 401000080 Ceramic DD104 SL 040C 50V C55 401000080 Ceramic DD104 SL 040C 50V C57 401000080 Ceramic DD104 CJ 030C 50V C58 401000080 Ceramic DD104 CJ 030C 50V C61 401000080 Ceramic DD104 SL 050C 50V					
C44 4010000500 Ceramic DD104 B 102K 50V C45 4010000500 Ceramic DD104 B 102K 50V C46 4010000380 Ceramic DD107 SL 221J 50V C47 4010000260 Ceramic DD104 B 102K 50V C48 401000260 Ceramic DD104 SL 130J 50V C50 401000270 Ceramic DD104 SL 180J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C52 4010000240 Ceramic DD104 SL 180J 50V C53 4020000670 Cylinder UP050 SL 470J C54 401000060 Ceramic DD104 SL 040C 50V C55 4010000150 Ceramic DD104 SL 150J 50V C55 4010000620 Ceramic DD104 SL 040C 50V C57 4010000630 Ceramic DD104 CJ 030C 50V C59 4010000630 Ceramic DD104 CJ 030C 50V C69 4010000380 Ceramic DD104 CJ 030C 50V C61 4010000380 Ceramic DD104 SL 050C 50V <					
C45 4010000500 Ceramic DD104 B 102K 50V C47 4010000500 Ceramic DD107 SL 221J 50V C48 401000280 Ceramic DD104 B 102K 50V C49 4010004840 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 180J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C52 4010000270 Ceramic DD104 SL 180J 50V C53 4020000670 Cylinder UP050 SL 470J C54 4010000150 Ceramic DD104 SL 040C 50V C55 4010000620 Ceramic DD104 SL 150J 50V C56 4010000630 Ceramic DD104 SL 040C 50V C57 4010000630 Ceramic DD104 CK 020C 50V C59 4010000630 Ceramic DD104 CH 040C 50V C60 4010000380 Ceramic DD104 CH 040C 50V C61 4010000500 Ceramic DD104 SL 1050C 50V C63 4020000470 Ceramic DD104 SL 1050C 50V					
C47	•	4010000500	Ceramic	DD104 B 102K 50V	
C48 4010000260 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 130J 50V C51 4010000160 Ceramic DD104 SL 180J 50V C52 4010000240 Ceramic DD104 SL 180J 50V C53 402000670 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 150J 50V C55 4010000620 Ceramic DD104 SL 150J 50V C56 401000630 Ceramic DD104 SL 150J 50V C57 401000630 Ceramic DD104 CK 020C 50V C58 401000630 Ceramic DD104 CJ 030C 50V C59 4010000830 Ceramic DD104 CJ 030C 50V C61 4010000380 Ceramic DD104 CH 040C 50V C62 4010000500 Ceramic DD104 SL 050C 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 4040000260 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 SL 130J 50V <t< td=""><th></th><td></td><td></td><td></td></t<>					
C49 4010004840 Ceramic DD104 SL 130J 50V C50 4010000270 Ceramic DD104 SL 510J 50V C51 4010000240 Ceramic DD104 SL 180J 50V C52 4010000240 Ceramic DD104 SL 390J 50V C53 4020000870 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 150J 50V C55 4010000620 Ceramic DD104 SL 150J 50V C56 4010000830 Ceramic DD104 CK 020C 50V C57 4010000830 Ceramic DD104 CJ 030C 50V C59 4010000840 Ceramic DD104 CH 040C 50V C80 4010000800 Ceramic DD104 SL 050C 50V C81 4010000500 Ceramic DD104 SL 050C 50V C83 4020000470 Ceramic DD104 SL 050C 50V C84 4040000280 Barrier Layer UZE 08X 104M C85 4010000500 Ceramic DD104 SL 130J 50V C86 4010000440 Ceramic DD104 SL 130J 50V					
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C52 4010000240 Ceramic DD104 SL 390J 50V C53 4020000670 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 040C 50V C55 4010000620 Ceramic DD104 SL 150J 50V C58 4010000630 Ceramic DD104 CK 020C 50V C59 4010000630 Ceramic DD104 CJ 030C 50V C59 4010000640 Ceramic DD104 CH 040C 50V C60 4010000380 Ceramic DD104 CH 040C 50V C61 4010000380 Ceramic DD104 CH 040C 50V C62 4010000500 Ceramic DD104 SL 050C 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 404000280 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 SL 220J 50V C68 4010004840 Ceramic DD104 SL 130J 50V C69 4010000500 Ceramic DD104 SL 130J 50V C70 4040000280 Barrier Layer UZE 08X 104M	C50	4010000270	Ceramic		
C53 4020000670 Cylinder UP050 SL 470J C54 401000080 Ceramic DD104 SL 040C 50V C55 4010000620 Ceramic DD104 SL 150J 50V C56 4010000630 Ceramic DD104 CK 020C 50V C57 4010000630 Ceramic DD104 CJ 030C 50V C58 4010000640 Ceramic DD104 CH 040C 50V C69 4010000380 Ceramic DD104 CH 040C 50V C61 4010000300 Ceramic DD104 SL 050C 50V C62 4010000500 Ceramic DD104 SL 050C 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 404000280 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 SL 130J 50V C68 4010000120 Ceramic DD104 SL 220J 50V C68 4010004840 Ceramic DD104 SL 130J 50V C69 4010000500 Ceramic DD104 SL 130J 50V C70 4040000280 Barrier Layer UZE 08X 104M					
C54 4010000080 Ceramic DD104 SL 040C 50V C55 4010000620 Ceramic DD104 SL 150J 50V C56 4010000630 Ceramic DD104 CK 020C 50V C57 4010000630 Ceramic DD104 CJ 030C 50V C58 4010000640 Ceramic DD104 CH 040C 50V C80 4010000380 Ceramic DD107 SL 221J 50V C61 4010000500 Ceramic DD104 SL 050C 50V C62 4010000500 Ceramic DD104 SL 050C 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 4040000280 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 SL 130J 50V C68 4010000120 Ceramic DD104 SL 130J 50V C69 4010004840 Ceramic DD104 SL 130J 50V C69 4010000120 Ceramic DD104 SL 130J 50V C70 4040000280 Barrier Layer UZE 08X 104M C71 4010000500 Ceramic DD104 B 102K 50V <th></th> <td></td> <td></td> <td></td>					
C58			•		
C57	C55	4010000150	Ceramic	DD104 SL 150J 50V	
C58 401000630 Ceramic DD104 CJ 030C 50V C59 401000640 Ceramic DD104 CH 040C 50V C80 4010000380 Ceramic DD107 SL 221J 50V C61 4010000500 Ceramic DD104 SL 050C 50V C62 4010000500 Ceramic DD104 B 102K 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 4040000280 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 CK 1R5C 50V C67 401000180 Ceramic DD104 SL 220J 50V C68 4010004640 Ceramic DD104 SL 130J 50V C69 401000120 Ceramic DD104 SL 100D 50V C70 4040000280 Ceramic DD104 SL 100D 50V C71 4010000500 Ceramic DD104 B 102K 50V C72 4010000500 Ceramic DD104 B 102K 50V C73 4010000500 Ceramic DD104 B 102K 50V C75 4010000500 Ceramic DD104 B 102K 50V <tr< td=""><th></th><td></td><td></td><td></td></tr<>					
C59 401000640 Ceramic DD104 CH 040C 50V C80 4010000380 Ceramic DD107 SL 221J 50V C61 401000070 Ceramic DD104 SL 050C 50V C62 4010000500 Ceramic DD104 B 102K 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 4040000260 Barrier Layer UZE 08X 104M C65 4010000500 Ceramic DD104 CK 1R5C 50V C66 4010000500 Ceramic DD104 SL 120J 50V C68 4010004840 Ceramic DD104 SL 130J 50V C69 401000120 Ceramic DD104 SL 100D 50V C70 4040000260 Barrier Layer UZE 08X 104M C71 4010000500 Ceramic DD104 B 102K 50V C72 4010000500 Ceramic DD104 B 102K 50V C73 4010000500 Ceramic DD104 B 102K 50V C75 4010000500 Ceramic DD104 B 102K 50V C76 4010000500 Ceramic DD104 B 102K 50V <t< td=""><th></th><td></td><td></td><td></td></t<>					
C80					
C62 401000500 Ceramic DD104 B 102K 50V C63 4020000470 Cylinder UP050 SL 4R7K C64 4040000260 Barrier Layer UZE 08X 104M C65 4010000510 Ceramic DD104 CK 1R5C 50V C68 4010000180 Ceramic DD104 B 102K 50V C68 4010004840 Ceramic DD104 SL 130J 50V C69 401000120 Ceramic DD104 SL 130J 50V C70 4040000280 Barrier Layer UZE 08X 104M C71 4010000500 Ceramic DD104 B 102K 50V C72 4010000500 Ceramic DD104 B 102K 50V C73 4010000500 Ceramic DD104 B 102K 50V C74 4010000500 Ceramic DD104 B 102K 50V C75 4010000500 Ceramic DD104 B 102K 50V C76 4010000500 Ceramic DD108 B 472K 50V C77 4010000500 Ceramic DD104 B 102K 50V C78 4010000500 Ceramic DD104 B 102K 50V				DD107 SL 221J 50V	
C63 4020000470 Cylinder UP050 SL 4R7K C64 404000260 Barrier Layer UZE 08X 104M C65 401000610 Ceramic DD104 CK 1R5C 50V C68 4010000500 Ceramic DD104 SL 220J 50V C68 4010004840 Ceramic DD104 SL 130J 50V C69 401000120 Ceramic DD104 SL 100D 50V C70 4040000280 Barrier Layer UZE 08X 104M C71 4010000500 Ceramic DD104 B 102K 50V C72 4010000500 Ceramic DD104 B 102K 50V C73 4010000500 Ceramic DD104 B 102K 50V C74 4010000500 Ceramic DD104 B 102K 50V C75 4010000500 Ceramic DD108 B 472K 50V C77 4010000500 Ceramic DD108 B 472K 50V C78 4010003290 Ceramic DD104 B 102K 50V C78 4010003290 Ceramic DD104 B 102K 50V C79 4010000520 Ceramic DD108 B 472K 50V					
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C68 4010004840 Ceramic DD104 SL 130J 50V C69 4010000120 Ceramic DD104 SL 100D 50V C70 4040000260 Barrier Layer UZE 08X 104M C71 4010000500 Ceramic DD104 B 102K 50V C73 4010000500 Ceramic DD104 B 102K 50V C74 4010000380 Ceramic DD107 SL 221J 50V C75 4010000500 Ceramic DD104 B 102K 50V C76 4010000520 Ceramic DD108 B 472K 50V C77 4010000500 Ceramic DD104 B 102K 50V C78 4010003290 Ceramic DD104 B 102K 50V C79 4010000520 Ceramic DD104 B 102K 50V					
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C74 4010000380 Ceramic DD107 SL 221J 50V C75 4010000500 Ceramic DD104 B 102K 50V C76 4010000520 Ceramic DD108 B 472K 50V C77 4010000500 Ceramic DD104 B 102K 50V C78 4010003290 Ceramic DD104 UJ 050C 50V C79 4010000520 Ceramic DD108 B 472K 50V					
C76 4010000520 Ceramic DD108 B 472K 50V C77 4010000500 Ceramic DD104 B 102K 50V C78 4010003290 Ceramic DD104 UJ 050C 50V C79 4010000520 Ceramic DD108 B 472K 50V	C74	4010000380		DD107 SL 221J 50V	
C77					
C78					
Barner Layer RAU 04AK R35C					
	C80	4040000470	Barrier Layer	HAU 04AK H35C	

[PLL-B UNIT]

REF.	ORDER		
NO.	NO.		DESCRIPTION
C81 C82	4010003290 4040000190	Ceramic Barrier Layer	DD104 UJ 050C 50V UAT 05X 103K
C83	4010000500	Ceramic	DD104 B 102K 50V
C84 C85	4010000240 4010000340	Ceramic Ceramic	DD104 SL 390J 50V DD105 SL 121J 50V
C85	4010000340	Ceramic Ceramic	DD105 SL 1213 50V DD104 SL 390J 50V
C87	4040000260	Barrier Layer	UZE 08X 104M UAT 05X 103K
C88 C89	4040000190 4010000500	Barrier Layer Ceramic	DD104 B 102K 50V
C90	4010000150	Ceramic	DD104 SL 150J 50V
C91 C92	4010000500 4010000380	Ceramic Ceramic	DD104 B 102K 50V DD107 SL 221J 50V
C93	4010004640	Ceramic	DD104 SL 130J 50V
C94 C95	4010000820	Ceramic Ceramic	DD104 CK 020C 50V DD104 SL 070D 50V
C96	4550000360	Tantalum	DN 1V R47M
C97 C98	4550000380 4550002450	Tantalum Tantalum	DN 1V R47M DN 1V 1R5M
C99	4010001960	Ceramic	DD104 RH 070D 50V
C100	4010000780 4010000660	Ceramic Ceramic	DD104 CH 220J 50V DD104 CH 060D 50V
C101 C102	4550002040	Tantalum	DN 1A 330M
C103	4010000500	Ceramic	DD104 B 102K 50V
C104 C105	4010000080 4020000010	Ceramic Cylinder	DD104 SL 060D 50V UP125 SL 010M
C106	4010000280	Ceramic	DD104 SL 560J 50V
C107 C108	4010000280 4010000280	Ceramic Ceramic	DD104 SL 580J 50V DD104 SL 580J 50V
C109	4010000500	Ceramic	DD104 B 102K 50V
C110 C111	4510003980 4010000040	Electrolytic Ceramic	10 MV 100 HWS (5X11) DD104 SL 020C 50V
C112	4510003780	Electrolytic	10 MV 100 SW
C113	4010000260 4010000090	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 070D 50V
C114 C115	4510003920	Electrolytic	16 MV 100 HW
C116	4510003890	Electrolytic	16 MV 10 HW
C117 C118	4010000500 4510003890	Ceramic Electrolytic	DD104 B 102K 50V 16 MV 10 HW
C119	4010000640	Ceramic	DD104 CH 040C 50V
C120 C121	4010000500 4610001130	Ceramic Trimmer	DD104 B 102K 50V CVSSA1001
C122	4010002400	Ceramic	DD104 SH 070D 50V
C123 C124	4010000830 4010000260	Ceramic Ceramic	DD104 CJ 030C 50V DD104 SL 470J 50V
C125	4010000380	Ceramic	DD107 SL 221J 50V
C126 C127	4010000380 4010000080	Ceramic Ceramic	DD107 SL 221J 50V DD104 SL 040C 50V
C128	4010000800	Ceramic	DD105 CH 270J 50V
C129 C130	4010000260 4010000260	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 470J 50V
C131	4010000500	Ceramic	DD104 B 102K 50V
C132 C133	4010000500 4010000380	Ceramic Ceramic	DD104 B 102K 50V DD107 SL 221J 50V
C133	4010000520	Ceramic	DD107 SE 2213 30V DD108 B 472K 50V
C135 C136	4510003980 4010000520	Electrolytic Ceramic	10 MV 100 HWS (5X11) DD108 B 472K 50V
C136	4040000260	Barrier Layer	UZE 08X 104M
C138	4010000150	Ceramic Barrier Laver	DD104 SL 150J 50V UZE 08X 104M
C139 C140	4040000280 4010000140	Barrier Layer Ceramic	DD104 SL 120J 50V
C141	4010000700	Ceramic	DD104 CH 100D 50V
C142 C143	4010000260 4010000260	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 470J 50V
C144	4010000260	Ceramic	DD104 SL 470J 50V
C148 C149	4010000500 4040000260	Ceramic Barrier Layer	DD104 B 102K 50V UZE 08X 104M
C151	4010000260	Ceramic	DD104 SL 470J 50V
C154 C155	4510003790 4510003790	Electrolytic Electrolytic	16 MV 10 SW 16 MV 10 SW
C155	4040000260	Barrier Layer	UZE 08X 104M
C158	4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 SL 470J 50V
C160 C161	4010000260 4010000380	Ceramic Ceramic	DD104 SL 470J 50V DD107 SL 221J 50V
C165	4020000650	Cylinder	EP050 X 472M
C167 C168	4010000160 4010000160	Ceramic Ceramic	DD104 SL 180J 50V DD104 SL 180J 50V
C170	4040000280	Barrier Layer	UZE 08X 104M
C171	4010000380	Ceramic	DD107 SL 221J 50V

[PLL-B UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C172	4010000220	Ceramic	DD104 SL 330J 50V
C173	4010000500	Ceramic	DD104 B 102K 50V
C174	4040000260	Barrier Layer	UZE 08X 104M
C175	4510003790	Electrolytic	16 MV 10 SW
C179	4010000140	Ceramic	DD104 SL 120J 50V
C180	4010000070	Ceramic	DD104 SL 050C 50V
C181	4040000260	Barrier Layer	UZE 08X 104M
C182	4010000500	Ceramic	DD104 B 102K 50V
C185	4010000500	Ceramic	DD104 B 102K 50V
C186	4040000260	Barrier Layer	UZE 08X 104M
C187	4010000280	Ceramic	DD104 SL 470J 50V
C188	4040000260	Barrier Layer	UZE 08X 104M
C189	4010000500	Ceramic	DD104 B 102K 50V
C190	4010000520	Ceramic	DD108 B 472K 50V
C191	4010000260	Ceramic	DD104 SL 470J 50V
C192	4010000500	Ceramic	DD104 B 102K 50V
C193	4010000460	Ceramic	DD104 B 471K 50V
C194	4010000460	Ceramic	DD104 B 471K 50V
C195	4010000480	Ceramic	DD104 B 471K 50V
C196	4010000460	Ceramic	DD104 B 471K 50V
C207	4010000500	Ceramic	DD104 B 102K 50V
C209	4010000260	Ceramic	DD104 SL 470J 50V
C210	4010000080	Ceramic	DD104 SL 040C 50V
C214	4020000400	Cylinder	UP050 B 102K
C216	4010000500	Ceramic	DD104 B 102K 50V
C219	4010000140	Ceramic	DD104 SL 120J 50V
C221	4040000260	Barrier Layer	
C222	4510003860	Electrolytic	50 MV 3R3 SW
C223	4010000120	Ceramic	DD104 SL 100D 50V
C224	4040000260	Barrier Layer	UZE 08X 104M
EP1	0910024185	P.C. Board	B 2116E (PLL-B)
EP2	6910000630	Bead core	FSOH070RN

[OSC UNIT]

REF. NO.	ORDER NO.	_	DESCRIPTION
IC	1110002030	IC	TA7808S
Q1	1530000591	Transistor	2SC2785 EL
Q2	1530000591	Transistor	2\$C2785 EL
Q3	1530000591	Transistor	2SC2785 EL
Q4	1530000591	Transistor	2SC2785 EL
Q5	1530000591	Transistor	2SC2785 EL
1			
۱.,	6910000670	Coil	BT01RN1-A61-001
L1 L2	6180001410	Coil	LAL 02KR 100K
L3	6180000880	Coil	LAL 02NA 100K
L3 L4	6180000880	Coil	LAL 03NA 100K
L5	6180000880	Coil	LAL 03NA 100K
L6	6180000880	Coil	LAL 03NA 100K
L7	6180000880	Coil	LAL 03NA 100K
۱ ۲٬	0100000000	Con	LAL USHA TOOK
l			
R1	7010004030	Resistor	R20J 47 Ω
R2	7010003580	Resistor	ELR20J 22 kΩ
R3	7010003530	Resistor	ELR20J 10 kΩ
R4	7010004030	Resistor	R20J 47 Ω
R5	7010004110	Resistor	R20J 220 Ω
R6	7010003580	Resistor	ELR20J 22 kΩ
R7	7010004320	Resistor	R20J 10 kΩ
R8	7010004030	Resistor	R20J 47 Ω
R9	7010003240	Resistor	ELR20J 47 Ω
R10	7010003580	Resistor	ELR20J 22 kΩ
R11	7010004320	Resistor	R20J 10 kΩ
R12	7010004030	Resistor	R20J 47 Ω



[OSC UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
R13	7010004320	Resistor	R20J 10 kΩ
R14	7010003580	Resistor	ELR20J 22 kQ
R15	7010004320	Resistor	R20J 10 kΩ
R16	7010004030	Resistor	R20J 47 Ω
R17	7010003580	Resistor	ELR20J 22 kΩ
R18	7010003320	Resistor	ELR20J 220 Ω
R21	7010003320	Resistor	ELR20J 220 Ω
R24	7010003320	Resistor	ELR20J 220 Ω
R27	7010003320	Resistor	ELR20J 220 Ω
C1	4010000520	Ceramic	DD108 B 472K 50V
C2	4040000260	Barrier Layer	UZE 08X 104M
СЗ	4510003890	Electrolytic	16 MV 10 HW
C4	4010000500	Ceramic	DD104 B 102K 50V
C5	4010000520	Ceramic	DD108 B 472K 50V
C6	4510003920	Electrolytic	16 MV 100 HW
C7	4040000260	Barrier Layer	UZE 08X 104M
C8	4010000520	Ceramic	DD108 B 472K 50V
C9	4510003890	Electrolytic	16 MV 10 HW
C10	4010000500	Ceramic	DD104 B 102K 50V
C11	4010000520	Ceramic	DD108 B 472K 50V
C12	4010000500	Ceramic	DD104 B 102K 50V
C13	4010000520	Ceramic	DD108 B 472K 50V DD104 B 102K 50V
C14	4010000500	Ceramic	
C15	4010000520	Ceramic	DD108 B 472K 50V DD104 B 102K 50V
C16	4010000500	Ceramic Ceramic	DD104 B 102K 50V
C17	4010000520 4010000500	Ceramic Ceramic	DD108 B 472K 50V
C18 C19	4010000520	Ceramic	DD104 B 102K 50V
C19	4010000520	Ceramic	DD108 B 472K 50V
C22	4010000330	Ceramic	DD104 B 102K 30V
C22	4010000330	Ceramic	DD105 SL 101J 50V
C23	4010000330	Ceramic	DD105 SL 101J 50V
C25	4010000330	Ceramic	DD105 SL 101J 50V
C26	4010000330	Ceramic	DD105 SL 101J 50V
C27	4010000260	Ceramic	DD104 SL 470J 50V
C28	4010000260	Ceramic	DD104 SL 470J 50V
C29	4010000260	Ceramic	DD104 SL 470J 50V
C30	4010000260	Ceramic	DD104 SL 470J 50V
C31	4010000260	Ceramic	DD104 SL 470J 50V
EP1	0910024233	P.C. Board	B 2232C (OSC)
		_	

[OSC (B) UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1180000620	IC	TA78L05S
Q1	1530000150	Transistor	2SC2668-O
Q2	1530000150	Transistor	2SC2668-O
X1	6050006490	Crystal	CR-292
L1	6180000880	Coil	LAL 03NA 100K
L2	6180000880	Coil	LAL 03NA 100K
L3	6180000770	Coil	LAL 03NA 1R0M
L4	6180001300	Coil	LAL 02NA 100K
R1	7010003470	Resistor	ELR20J 3.9 kΩ
R2	7010004210	Resistor	R20J 1.5 kΩ
R3	7010003320	Resistor	ELR20J 220 Ω
R4	7010003280	Resistor	ELR20J 100 Ω
R5	7010004300	Resistor	R20J 6.8 kΩ

[OSC (B) UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
R6	7010001180	Resistor	R25XJ 1.8 kΩ
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12	4010000500 4010000520 4510003890 4010000520 4010004840 4010000870 4610000110 4010000940 4010000830 4010000520 4010000520	Ceramic Ceramic Ceramic Ceramic Ceramic Trimmer Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	DD104 B 102K 50V DD108 B 472K 50V 16 MV 10 HW DD108 B 472K 50V DD305 F 104Z 12V DD104 CH 070D 50V CV05C1201 DD107 CH 101J 50V DD107 CH 101J 50V DD104 CJ 030C 50V DD108 B 472K 50V DD108 B 472K 50V
EP1	0910024225	P.C. Board	B 2233E (OSC(B))

[CTRL UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110002040	IC	TA7809S
Q1	1590000340	Transistor	RN1202
Q2	1590000340	Transistor	RN1202
Q3	1590000340	Transistor	RN1202
Q4	1590000340	Transistor	RN1202
Q5	1590000340	Transistor	RN1202
Q6	1590000340	Transistor	RN1202
Q7	1510000680	Transistor Transistor	2SA683-R 2SA683-R
Q8 Q9	1510000680	Transistor	2SA683-R 2SA683-R
	1510000680 1510000680	Transistor	2SA683-R 2SA683-R
Q10 Q11	1590000340	Transistor	RN1202
Q12	1530002650	Transistor	2SC1384-R
Q12	1530002650	Transistor	2SC2785 EL
Q14	1530000591	Transistor	2SC3422-Y
Q15	1530002590	Transistor	2SC3422-Y
Q16	1590002340	Transistor	RN1202
Q17	1590000340	Transistor	RN1202
Q18	1590000340	Transistor	RN1202
Q19	1590000340	Transistor	RN1202
Q20	1590000340	Transistor	RN1202
Q21	1590000340	Transistor	RN1202
Q22	1510000680	Transistor	2SA683-R
Q23	1510000680	Transistor	2SA683-R
Q24	1510000680	Transistor	2SA683-R
Q25	1510000680	Transistor	2SA683-R
Q26	1590000340	Transistor	RN1202
Q27	1530002650	Transistor	2SC1384-R
Q28	1530002590	Transistor	2SC3422-Y
Q29	1530000591	Transistor	2SC2785 EL
Q30	1530002590	Transistor	2SC3422-Y
D1	1710000160	Diode	1SS133
D2	1710000160	Diode	1SS133
D3	1710000160	Diode	1SS133
D4	1710000160	Diode	1SS133
D5	1710000160	Diode	1SS133
D6	1710000050	Diode	18853
D0	4740000455	Diada	(EUR),(USA),(AUS),(SWE)
D6	1710000160	Diode	1SS133
			(EUR-H),(USA-H),
D0	1710000100	Diods	(AUS-H),(SWE-H)
D9 D10	1710000160 1710000160	Diode Diode	188133
D10	1710000180	Diode Diode	1\$\$133 1\$\$133
_ · · ·	., 10000100	Divide	



[CTRL UNIT]

REF. NO. ORDER NO. DESCRIPTION D12 1710000160 Diode 1SS133 D13 1710000160 Diode 1SS133 (EUR-H), (USA-H),	
D12 1710000160 Diode 1SS133 D13 1710000160 Diode 1SS133	
D13 1710000160 Diode 1SS133	
(LON-1),(00A-1).	
(AUS-H),(SWE-H)	
D14 1710000180 Diode 1SS133	
(EUR-H),(USA-H),	
(AUS-H),(SWE-H)	
R1 7010003620 Resistor ELR20J 47 kQ	
R2 7010003480 Resistor ELR20J 4.7 kQ	
R3 7010003480 Resistor ELR20J 4.7 kΩ	
R4 7010003620 Resistor ELR20J 47 kΩ	
R5 7010003620 Resistor ELR20J 47 kQ	
R6 7010004270 Resistor R20J 4.7 kQ	
R7	
R8 7010004270 Resistor R20J 4.7 kΩ R9 7010004230 Resistor R20J 2.2 kΩ	
R10 7010004270 Resistor R20J 4.7 kQ	
R11 7010004230 Resistor R20J 2.2 kQ	
R12 7010004270 Resistor R20J 4.7 kQ	
R13 7010004230 Resistor R20J 2.2 kΩ	
R14 7310000720 Trimmer RH0651CJ3J0CA	(222)
(EUR),(USA),(AUS	S),(SWE)
R14 7310000740 Trimmer RH0651CS3J2KA	(472)
(EUR-H),(USA-H),	
(AUS-H),(SWE-H)	
R15 7310000720 Trimmer RH0651CJ3J0CA	
(EUR),(USA),(AUS	
R15 7310000740 Trimmer RH0851CS3J2KA	
(EUR-H), (USA-H),	
(AUS-H),(SWE-H) R16 7010004640 Resistor R50XJ 3.3 Ω	
R16 7010004840 Resistor R50XJ 3.3 Ω R17 7010004250 Resistor R20J 3.3 kΩ	
R18 7010004150 Resistor R20J 470 Ω	
R19 7010003480 Resistor ELR20J 4.7 kQ	
R20 7010004770 Resistor R50XJ 330 Q	
R21 7010003620 Resistor ELR20J 47 kQ	
R22 7010003480 Resistor ELR20J 4.7 kQ	
R23 7010003480 Resistor ELR20J 4.7 kΩ	
R24 7010003620 Resistor ELR20J 47 kQ	
R25 7010003620 Resistor ELR20J 47 kΩ	
R26 7010004270 Resistor R20J 4.7 kΩ	
R27 7010004230 Resistor R20J 2.2 kQ	
R28	
R29	
R31 7010004230 Resistor R20J 2.2 kQ	
R32 7010004270 Resistor R20J 4.7 kQ	
R33 7010004230 Resistor R20J 2.2 kQ	
R34 7010004250 Resistor R20J 3.3 kΩ	
R35 7010004150 Resistor R20J 470 Q	
R36 7010004640 Resistor R50XJ 3.3 Ω	
R37 7010004770 Resistor R50XJ 330 Ω	
R38 7010004270 Resistor R20J 4.7 kQ	
R39 7010001380 Resistor R25XJ 47 kQ	
R40 7010003400 Resistor ELR20J 1 kQ	
(EUR-H), (USA-H),	
(AUS-H),(SWE-H) R40 7010003360 Resistor ELR20J 470 Ω	
R40 7010003360 Resistor ELR20J 470 Ω (EUR),(USA),(AUS	S) (SWF)
R41 7010003400 Resistor ELR20J 1 kQ	,,(O ** E)
(EUR-H), (USA-H),	
(AUS-H),(SWE-H)	
R41 7010003360 Resistor ELR20J 470 Ω	
(EUR),(USA),(AUS	S),(SWE)
7===7,7=3,7,4	
C1 4010000500 Ceramic DD104 B 102K 50	
C2 4010000500 Ceramic DD104 B 102K 50	
(EUR-H), (USA-H),	
(AUS-H), (SWE-H)	
C3 4010000500 Ceramic DD104 B 102K 50	
C4 4010000500 Ceramic DD104 B 102K 50 C5 4010000500 Ceramic DD104 B 102K 50	
C5 4010000500 Ceramic DD104 B 102K 50 C6 4010000500 Ceramic DD104 B 102K 50	
C7 4010000500 Ceramic DD104 B 102K 50	
C8 4010000500 Ceramic DD104 B 102K 50	

[CTRL UNIT]

REF.	ORDER	DESCRIPTION	
NO.	NO.		
C9	4510003900	Electrolytic	16 MV 22 HW
C10	4010000500	Ceramic	DD104 B 102K 50V
C11	4010000500	Ceramic	DD104 B 102K 50V
C12	4010000520	Ceramic	DD108 B 472K 50V
C13	4010000500	Ceramic	DD104 B 102K 50V
C14	4510003960	Electrolytic	50 MV 1 HW
C15	4010000500	Ceramic	DD104 B 102K 50V
C18	4010000500	Ceramic	DD104 B 102K 50V
C17	4510003970	Electrolytic	50 MV 2R2 HW
C18	4510003870	Electrolytic	10 MV 22 HW
C19	4040000260	Barrier Layer	
C20	4040000260	Barrier Layer	UZE 08X 104M
C21	4510003900	Electrolytic	16 MV 22 HW
C22	4010000500	Ceramic	DD104 B 102K 50V
C23	4010000500	Ceramic	DD104 B 102K 50V
C24	4010000500	Ceramic	DD104 B 102K 50V
C25	4010000500	Ceramic	DD104 B 102K 50V
C26	4010000500	Ceramic	DD104 B 102K 50V
C27	4010000500	Ceramic	DD104 B 102K 50V
C28	4010000500	Ceramic	DD104 B 102K 50V
C29	4010000500	Ceramic	DD104 B 102K 50V
C30	4510003900	Electrolytic	16 MV 22 HW
C31	4010000500	Ceramic	DD104 B 102K 50V
C32	4010000500	Ceramic	DD104 B 102K 50V
C33	4510003960	Electrolytic	50 MV 1 HW
C34	4010000520	Ceramic	DD108 B 472K 50V
C35	4010000500	Ceramic	DD104 B 102K 50V
C36	4010000500	Ceramic	DD104 B 102K 50V
C37	4010000500	Ceramic	DD104 B 102K 50V
C38	4510003970	Electrolytic	50 MV 2R2 HW
C39	4010000500	Ceramic	DD104 B 102K 50V
C40	4010000500	Ceramic	DD104 B 102K 50V
C41	4010000500	Ceramic	DD104 B 102K 50V
C42	4010000500	Ceramic	DD104 B 102K 50V
EP1	0910022794	P.C. Board	B 2225D (CTRL)

[PA UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1150000830	IC	SC1113 (EUR-H),(USA-H), (AUS-H),(SWE-H)
IC1	1150000160	IC	SC1020 (EUR),(USA),(AUS),(SWE)
IC2	1150000170	IC	SC1024 (EUR),(USA),(AUS),(SWE)
IC2	1150000840	IC	SC1114 (EUR-H),(USA-H), (AUS-H),(SWE-H)
IC3	1150000140	IC	SC1018 (EUR-H), (USA-H), (AUS-H), (SWE-H)
S1	6910000070	Thermostat	OHD-3 80M



[430 PA H UNIT]

[430 PA H UNIT]			
REF.	ORDER		DESCRIPTION
NO.	NO.	Dindo	10.12
D1 D2	1790000070 1790000070	Diode Diode	1\$\$237 1\$\$237
D3	1790000070	Diode	188237
D4	1790000070	Diode	1SS237
D6	1710000310	Diode	MI407
D7 D8	1710000290 1710000290	Diode Diode	MI308 MI308
60	1710000250	Diode	mood
Li	6110001520 6110001600	Coil Coil	LA-232 LA-243
L2 L4	6110001520	Coil	LA-232
L5	8110001570	Coil	LA-237
L6	6110001570	Coil	LA-237
L7 L8	6110001520 6110001520	Coil Coil	LA-232 LA-232
L9	6110001520	Coil	LA-232
L10	6910000670	Coil	BT01RN1-A61-001
L11	6910000670	Coil Coil	BT01RN1-A61-001 LAL 03NA 100K
L12 L13	6180000880 6170000180	Coil	LW-19
L14	6180000880	Coil	LAL 03NA 100K
R1	7100000510	Resistor	CP-5AJ 0.012 Q
R2	7010000310	Resistor	R20J 1 kΩ
R3	7010003400	Resistor	ELR20J 1 kΩ
R4	7010004270	Resistor	R20J 4.7 kΩ
R5 R6	7010003480 7010003480	Resistor Resistor	ELR20J 4.7 kΩ ELR20J 4.7 kΩ
R9	7010004740	Resistor	R50XJ 150 Ω
R10	7010004740	Resistor	R50XJ 150 Ω
R11 R12	7010004320 7010004200	Resistor Resistor	R20J 10 kΩ R20J 1.2 kΩ
R13	7010004200	Resistor	R20J 10 kQ
R14	7010004200	Resistor	R20J 1.2 kΩ
C1	4510003930	Electrolytic	16 MV 470 HW
C2	4010000500	Ceramic	DD104 B 102K 50V
C3	4010000280	Ceramic	DD104 SL 470J 50V
C4 C5	4010000500 4010000260	Ceramic Ceramic	DD104 B 102K 50V DD104 SL 470J 50V
C6	4510003930	Electrolytic	16 MV 470 HW
C7	4010000500	Ceramic	DD104 B 102K 50V
C8	4010000280	Ceramic Ceramic	DD104 SL 470J 50V DD104 B 102K 50V
C9 C10	4010000500 4010000260	Ceramic	DD104 B 102K 50V
C11	4010000260	Ceramic	DD104 SL 470J 50V
C12	4010000260	Ceramic	DD104 SL 470J 50V
C13 C14	4010000260 4010000260	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 470J 50V
C15	4010003800	Ceramic	DD06 SL 030C 500V
C20	4010000500	Ceramic	DD104 B 102K 50V
C21 C22	4010000500	Ceramic Ceramic	DD104 B 102K 50V DD06 SL 070D 500V
C22	4010003840	Ceramic	DD06 SL 070D 500V
C24	4010003880	Ceramic	DD06 SL 150K 500V
C25	4010003870	Ceramic	DD06 SL 120K 500V
C28 C27	4010003880 4010003790	Ceramic Ceramic	DD06 SL 150K 500V DD06 SL 020C 500V
C28	4010003780	Ceramic	DD06 SL 010C 500V
C29	4010003850	Ceramic	DD06 SL 080D 500V
C30	4010003810	Ceramic	DD06 SL 040C 500V DD104 SL 470J 50V
C31 C32	4010000260 4010000500	Ceramic Ceramic	DD104 SL 470J 50V DD104 B 102K 50V
C36	4010000500	Ceramic	DD104 B 102K 50V
C37	4010000110	Ceramic	DD104 SL 090D 50V
C38 C39	401000050 4010000500	Ceramic Ceramic	DD104 SL 030C 50V DD104 B 102K 50V
C40	4010000500	Ceramic	DD104 B 102K 50V DD108 B 472K 50V
C41	4010000500	Ceramic	DD104 B 102K 50V
C42	4010000260	Ceramic	DD104 SL 470J 50V
C43 C44	4510003890 4010000500	Electrolytic Ceramic	16 MV 10 HW DD104 B 102K 50V
C45	4010000500	Ceramic	DD104 B 102K 50V
C46	4010003810	Ceramic	DD06 SL 040C 500V
C47	4010003810	Ceramic	DD06 SL 040C 500V

[430 PA H UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C48 C49	4010003820 4010000500	Ceramic Ceramic	DD06 SL 050C 500V DD104 B 102K 50V
EP1	0910023075	P.C. Board	B 2212E (430 PA H)

[144 PA H UNIT]

REF. NO.	ORDER NO.	2.5	DESCRIPTION
D1	1790000070	Diode	1SS237
D2	1790000070	Diode	1SS237
D3	1790000070	Diode	1SS237
D4	1790000070	Diode	1SS237
D6	1710000310	Diode	MI407
D7	1710000290	Diode	MI308
D8	1710000290	Diode	MI308
L1	6110001740	Coil	LA-263
12	6110001740	Coil	LA-263
L3	6110001740	Coil	LA-263
L4	6110001770	Coil	LA-253
L5	6170000180	Coil	LW-19
L6	6170000070	Coil	LW-9
L7	6170000180	Coil	LW-19
L8	6110001550	Coil	LA-235
L9	6110001550	Coil	LA-235
L10	6910000670	Coil	BT01RN1-A61-001
L11	6910000670	Coil	BT01RN1-A61-001
R1	7100000510	Resistor	CP-5AJ 0.012 Ω
R2	7010004190	Resistor	R20J 1 kΩ
R3	7010003400	Resistor	ELR20J 1 kΩ
R4	7010003480	Resistor	ELR20J 4.7 kO
R5	7010003480	Resistor	ELR20J 4.7 kΩ
R8	7010004740	Resistor	R50XJ 150 Q
R9	7010004740	Resistor	R50XJ 150 Ω
R10	7010004320	Resistor	R20J 10 kΩ
R11	7010004200	Resistor	R20J 1.2 kΩ
R12	7010004320	Resistor	R20J 10 kΩ
R13	7010004200	Resistor	R20J 1.2 kΩ
C1	4510003930	Electrolytic	16 MV 470 HW
C2	4010000520	Ceramic	DD108 B 472K 50V
C3	4010000500	Ceramic	DD104 B 102K 50V
C4	4010000520	Ceramic	DD108 B 472K 50V
C5	4010000500	Ceramic	DD104 B 102K 50V
C6	4510003930	Electrolytic	18 MV 470 HW
C7	4010000520	Ceramic	DD108 B 472K 50V
C8	4010000500	Ceramic	DD104 B 102K 50V
C9	4010000380	Ceramic	DD107 SL 221J 50V
C10	4010000500	Ceramic	DD104 B 102K 50V DD107 SL 221J 50V
C11	4010000380	Ceramic Ceramic	DD107 SL 221J 50V DD107 SL 221J 50V
C12 C13	4010000380	Ceramic	DD107 St 221J 50V DD107 St 221J 50V
C13	4010000380	Ceramic	DD06 SL 150K 500V
C19	4010003880	Ceramic	DD104 B 102K 50V
C20	4010000500	Ceramic	DD104 B 102K 50V
C21	4010003880	Ceramic	DD06 SL 150K 500V
C22	4010003880	Ceramic	DD08 SL 150K 500V
C23	4010004120	Ceramic	DD07 B 102K 500V
C24	4010003880	Ceramic	DD06 SL 150K 500V
C25	4010003950	Ceramic	DD06 SL 330K 500V
C28	4010003950	Ceramic	DD08 SL 330K 500V
C27	4010003880	Ceramic	DD06 SL 150K 500V
C28	4010004120	Ceramic	DD07 B 102K 500V

[144 PA H UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C29	4010000380	Ceramic	DD107 SL 221J 50V
C30	4010000380	Ceramic	DD107 SL 221J 50V
C31	4010000520	Ceramic	DD108 B 472K 50V
C33	4010000380	Ceramic	DD107 SL 221J 50V
C34	4010000240	Ceramic	DD104 SL 390J 50V
C35	4010000170	Ceramic	DD104 SL 200J 50V
C36	4010000330	Ceramic	DD105 SL 101J 50V
C37	4040000250	Barrier Layer	UAT 08X 473M
C38	4010000520	Ceramic	DD108 B 472K 50V
C39	4010000380	Ceramic	DD107 SL 221J 50V
C40	4510003890	Electrolytic	16 MV 10 HW
C41	4010000500	Ceramic	DD104 B 102K 50V
C42	4010000500	Ceramic	DD104 B 102K 50V
C43	4010000500	Ceramic	DD104 B 102K 50V
EP1	0910022913	P.C. Board	B 2211C (144 PA H)
EP2	6910000630	Bead core	FSOH070RN

[144 PA L UNIT]

REF. NO.	ORDER		
	NO.		DESCRIPTION
D1	1790000070	Diode	1SS237
D2	1790000070	Diode	1SS237
D3	1790000070	Diode	1\$\$237
D4	1790000070	Diode	1SS237
D6	1710000290	Diode	MI308
D7	1710000290	Diode	MI308
D8	1710000290	Diode	MI308
l., l		0.1	14.000
Li	6110001740	Coil Coil	LA-263 LA-263
L2	6110001740		
L3	6110001740	Coil	LA-263 LA-253
	6110001670	Coil Coil	LW-19
L.5	6170000180		FM-19
1.6	6170000070	Coil Coil	LW-9 LW-19
L7	6170000180		
L8	6110001550	Coil	LA-235
	6110001550	Coil	LA-235
	6910000670	Coil	BT01RN1-A61-001
L11	6910000670	Coil	BT01RN1-A61-001
l i			
R1	7080000150	Resistor	RGB3L R15
R2	7010001150	Resistor	R25XJ 1 kQ
R3	7010001150	Resistor	R25XJ 1 kQ
R4	7010003480	Resistor	ELR20J 4.7 kΩ
R5	7010003480	Resistor	ELR20J 4.7 kΩ
R8	7010004770	Resistor	R50XJ 330 Q
R9	7010004770	Resistor	R50XJ 330 Q
R10	7010004270	Resistor	R20J 4.7 kQ
R11	7010004270	Resistor	R20J 4.7 kQ
R12	7010004270	Resistor	R20J 4.7 kQ
R13	7010004270	Resistor	R20J 4.7 kQ
C1	4510003930	Electrolytic	16 MV 470 HW
C2	4010003930	Ceramic	DD108 B 472K 50V
C3	4010000520	Ceramic	DD104 B 102K 50V
	4010000520	Ceramic	DD104 B 102K 50V DD108 B 472K 50V
	4010000520	Ceramic	DD106 B 472K 50V DD104 B 102K 50V
	4510003930	Electrolytic	16 MV 470 HW
	4010000520	Ceramic	DD108 B 472K 50V
	4010000500	Ceramic	DD104 B 102K 50V
	4010000380	Ceramic	DD107 SL 221J 50V
	4010000500	Ceramic	DD104 B 102K 50V
	4010000380	Ceramic	DD104 B 102R 30V DD107 SL 221J 50V
	4010000380	Ceramic	DD107 SL 2213 50V DD107 SL 221J 50V
C13	4010000380	Ceramic	DD107 SL 221J 50V

[144 PA L UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
	.,,,,		
C14	4010003880	Ceramic	DD06 SL 150K 500V
C19	4010000500	Ceramic	DD104 B 102K 50V
C20	4010000500	Ceramic	DD104 B 102K 50V
C21	4010003880	Ceramic	DD06 SL 150K 500V
C22	4010003880	Ceramic	DD06 SL 150K 500V
C23	4010004120	Ceramic	DD07 B 102K 500V
C24	4010003880	Ceramic	DD06 SL 150K 500V
C25	4010003950	Ceramic	DD06 SL 330K 500V
C26	4010003950	Ceramic	DD06 SL 330K 500V
C27	4010003880	Ceramic	DD06 SL 150K 500V
C28	4010004120	Ceramic	DD07 B 102K 500V
C29	4010000380	Ceramic	DD107 SL 221J 50V
C30	4010000380	Ceramic	DD107 SL 221J 50V
C31	4010000520	Ceramic	DD108 B 472K 50V
C33	4010000380	Ceramic	DD107 SL 221J 50V
C34	4010000240	Ceramic	DD104 SL 390J 50V
C35	4010000170	Ceramic	DD104 SL 200J 50V
C36	4010000330	Ceramic	DD105 SL 101J 50V
C37	4040000250	Barrier Layer	UAT 08X 473M
C38	4010000520	Ceramic	DD108 B 472K 50V
C39	4010000380	Ceramic	DD107 SL 221J 50V
C40	4510003890	Electrolytic	16 MV 10 HW
C41	4010000500	Ceramic	DD104 B 102K 50V
C42	4010000500	Ceramic	DD104 B 102K 50V
C43	4010003790	Ceramic	DD06 SL 020C 500V
EP1	0910023833	P.C. Board	B 2227C (144 PA L)
EP2	6910000630	Bead core	FSOH070RN

[430 PA L UNIT]

D1 1790000070 Diode 1SS237 D2 1790000070 Diode 1SS237 D3 1790000070 Diode 1SS237 D4 1790000070 Diode 1SS237 D6 1710000290 Diode MI308 D7 1710000290 Diode MI308 D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001520 Coil LA-243 L4 6110001520 Coil LA-237 L5 6110001570 Coil LA-237 L7 6110001570 Coil LA-232 L8 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ R3 7010003400 Resistor <t< th=""><th>REF.</th><th>ORDER NO.</th><th>_</th><th>DESCRIPTION</th></t<>	REF.	ORDER NO.	_	DESCRIPTION
D2 1790000070 Diode 1SS237 D3 1790000070 Diode 1SS237 D4 1790000070 Diode 1SS237 D6 1710000290 Diode MI308 D7 1710000290 Diode MI308 D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001520 Coil LA-243 L4 6110001570 Coil LA-232 L5 6110001570 Coil LA-237 L7 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ	D1	1790000070	Diode	1SS237
D3 1790000070 Diode 1SS237 D4 1790000070 Diode 1SS237 D6 1710000290 Diode MI308 D7 1710000290 Diode MI308 D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001520 Coil LA-243 L4 6110001520 Coil LA-237 L5 6110001570 Coil LA-237 L7 6110001570 Coil LA-232 L8 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ R3 7010003400 Resistor ELR20J 1 kQ				
D4 179000070 Diode 1SS237 D6 1710000290 Diode MI308 D7 1710000290 Diode MI308 D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001520 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ R3 7010003400 Resistor ELR20J 1 kQ				
D7 1710000290 Diode MI308 D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001520 Coil LA-243 L4 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ R3 7010003400 Resistor ELR20J 1 kQ	D4	1790000070	Diode	1SS237
D8 1710000290 Diode MI308 L1 6110001520 Coil LA-232 L2 6110001600 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kQ R3 7010003400 Resistor ELR20J 1 kQ	D6	1710000290	Diode	MI308
L1 6110001520 Coil LA-232 L2 6110001600 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L8 6110001520 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ	D7	1710000290	Diode	MI308
L2 6110001600 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ	D8	1710000290	Diode	MI308
L2 6110001600 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ				
L2 6110001600 Coil LA-243 L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ	l	8110001520	Coil	I A-232
L4 6110001520 Coil LA-232 L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ			T - 11	
L5 6110001570 Coil LA-237 L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ			1	
L6 6110001570 Coil LA-237 L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ				
L7 6110001520 Coil LA-232 L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ			I '	
L8 6110001520 Coil LA-232 L9 6910000670 Coil BT01RN1-A61-001 L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ				
L9				
L10 6910000670 Coil BT01RN1-A61-001 R1 7080000150 Resistor RGB3L R15 R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ	-			
R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ				BT01RN1-A61-001
R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ				
R2 7010003400 Resistor ELR20J 1 kΩ R3 7010003400 Resistor ELR20J 1 kΩ	R,	7080000150	Register	RGR3L R15
R3 7010003400 Resistor ELR20J 1 kΩ				
R4 7010004270 Resistor R20J 4.7 kQ				
R5 7010003450 Resistor ELR20J 2.7 kQ				
R6 7010003450 Resistor ELR20J 2.7 kΩ	R6	7010003450	Resistor	ELR20J 2.7 kΩ
R9 7010004770 Resistor R50XJ 330 Ω		7010004770	Resistor	R50XJ 330 Q
R10 7010004770 Resistor R50XJ 330 Ω	R10	7010004770	Resistor	R50XJ 330 Q
R11 7010004250 Resistor R20J 3.3 kΩ	R11	7010004250	Resistor	R20J 3.3 kΩ
R13 7010004250 Resistor R20J 3.3 kΩ	R13	7010004250	Resistor	R20J 3.3 kΩ
C1 4510003930 Electrolytic 16 MV 470 HW	C1	4510003930	Electrolytic	16 MV 470 HW
C2 4010000500 Ceramic DD104 B 102K 50V				
C3 4010000260 Ceramic DD104 SL 470J 50V			Ceramic	DD104 SL 470J 50V
C4 4010000500 Ceramic DD104 B 102K 50V	C4	4010000500	Ceramic	DD104 B 102K 50V

[430 PA L UNIT]

REF.	ORDER NO.		DESCRIPTION
		0	DD44401 4701 5014
C5	4010000260	Ceramic	DD104 SL 470J 50V
C6	4510003930	Electrolytic	16 MV 470 HW
C7	4010000500	Ceramic	DD104 B 102K 50V
C8	4010000260	Ceramic	DD104 SL 470J 50V
C9	4010000500	Ceramic	DD104 B 102K 50V
C10	4010000260	Ceramic	DD104 SL 470J 50V
C11	4010000260	Ceramic	DD104 SL 470J 50V
C12	4010000260	Ceramic	DD104 SL 470J 50V
C13	4010000260	Ceramic	DD104 SL 470J 50V
C14	4010000260	Ceramic	DD104 SL 470J 50V
C15	4010003840	Ceramic	DD06 SL 070D 500V
C20	4010000500	Ceramic	DD104 B 102K 50V
C21	4010000500	Ceramic	DD104 B 102K 50V
C22	4010003840	Ceramic	DD06 SL 070D 500V
C23	4010003850	Ceramic	DD08 SL 080D 500V
C24	4010003880	Ceramic	DD06 SL 150K 500V
C25	4010003870	Ceramic	DD06 SL 120K 500V
C26	4010003880	Ceramic	DD08 SL 150K 500V
C27	4010003790	Ceramic	DD06 SL 020C 500V
C28	4010003780	Ceramic	DD06 SL 010C 500V
C29	4010003850	Ceramic	DD06 SL 080D 500V
C30	4010003810	Ceramic	DD06 SL 040C 500V
C31	4010000260	Ceramic	DD104 SL 470J 50V
C32	4010000500	Ceramic	DD104 B 102K 50V
C36	4010000500	Ceramic	DD104 B 102K 50V
C37	4010000110	Ceramic	DD104 SL 090D 50V
C38	4010000050	Ceramic	DD104 SL 030C 50V
C39	4010000500	Ceramic	DD104 B 102K 50V
C40	4010000520	Ceramic	DD108 B 472K 50V
C41	4010000500	Ceramic	DD104 B 102K 50V
C42	4010000260	Ceramic	DD104 SL 470J 50V
C43	4510003890	Electrolytic	16 MV 10 HW
C44	4010000500	Ceramic	DD104 B 102K 50V
C45	4010000500	Ceramic	DD104 B 102K 50V
EP1	0910023823	P.C. Board	B 2228C (430 PA L)

[DRIVER UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
L1	6110001570	Coil	LA-237
L2	6110001520	Coil	LA-232
L3	6110001520	Coil	LA-232
R1	7010004120	Resistor	R20J 270 Q
R2	7010003980	Resistor	R20J 18 Ω
R3	7010004120	Resistor	R20J 270 Q
C1	4010000500	Ceramic	DD104 B 102K 50V
C2	4010000500	Ceramic	DD104 B 102K 50V
C3	4010000500	Ceramic	DD104 B 102K 50V
C4	4510003980	Electrolytic	10 MV 100 HWS (5X11)
C5	4510003900	Electrolytic	16 MV 22 HW
C6	4510003900	Electrolytic	16 MV 22 HW
C7	4010003810	Ceramic	DD06 SL 040C 500V
C8	4010003850	Ceramic	DD06 SL 080D 500V
C9	4010003810	Ceramic	DD08 SL 040C 500V
EP1	2010000040	D.C. Beaut	P. COLOR (DDN/FD)
EPI	0910022942	P.C. Board	B 2213B (DRIVER)

[JACK-A UNIT]

REF.	ORDER NO.		DESCRIPTION
Q1	1530002650	Transistor	2SC1384-R
~		11411010101	2001007.11
D1	1710000160	Diode	1\$\$133
١.,			DTO4DN4 A04 004
L1	6910000670 6910000670	Coil Coil	BT01RN1-A61-001 BT01RN1-A61-001
L3	6910000870	Coil	BT01RN1-A61-001
14	6910000670	Coil	BT01RN1-A61-001
L5	6910000670	Coil	BT01RN1-A61-001
L6	6910000670	Coil	BT01RN1-A61-001
L7	6910000670	Coil	BT01RN1-A61-001
L8	6910000670	Coil	BT01RN1-A61-001
L9	6910000670	Coil	BT01RN1-A61-001
L10	6910000670	Coil	BT01RN1-A61-001
L11	6910000670 6910000670	Coil Coil	BT01RN1-A61-001 BT01RN1-A61-001
L12 L13	6910000670	Coil	BT01RN1-A61-001
L13	6910000870	Coil	BT01RN1-A61-001
L15	6910000670	Coil	BT01RN1-A61-001
L16	6910000670	Coil	BT01RN1-A61-001
L17	6910000670	Coil	BT01RN1-A61-001
L18	6910000670	Coil	BT01RN1-A61-001
L19	6910000670	Coil	BT01RN1-A61-001
L20	6180000770	Coil	LAL 03NA 1ROM
L21	6180001380	Coil	LAL 02KR 1R0K
l	7540000400		EDT DOELH COOR
R1 R2	7510000130 7010003580	Thermistor Resistor	ERT-D2FHL333S ELR20J 22 kQ
R3	7010003580	Resistor	ELR20J 12 kQ
~~		1100.0101	
1			
C1	4530000030	Capacitor Arra	ay B5RC0124-32N
C2	4530000190	Capacitor Arm	•
C3	4010000500	Ceramic	DD104 B 102K 50V
C4	4010000500	Ceramic	DD104 B 102K 50V
C5 C6	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C7	4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 SL 470J 50V
C8	4510003890	Electrolytic	16 MV 10 HW
C9	4010000500	Ceramic	DD104 B 102K 50V
C10	4010000500	Ceramic	DD104 B 102K 50V
C11	4010000500	Ceramic	DD104 B 102K 50V
EP1	0910023904	P.C. Board	B 2279D (JACK-A)

[JACK-B UNIT]

REF. NO.	ORDER NO.		DESCRIPTION	
L1	6910000670	Coil	BT01RN1-A61-001	
L2	6910000670	Coil	BT01RN1-A61-001	
L3	8910000870	Coil	BT01RN1-A61-001	
L4	6180001490	Coil	LAL 02KR 101K	
C1 C2 C3	4010000260 4010000500 4010000500	Ceramic Ceramic Ceramic	DD104 SL 470J 50V DD104 B 102K 50V DD104 B 102K 50V	
EP1	0910024363	P.C. Board	B 2285C (JACK-B)	



[CONNECT UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
D1	1710000010	Diode	15CD11
EP1	0910023932	P.C. Board	B 2313B (CONNECT)

[RF-A UNIT]

REF.	ORDER	_	DESCRIPTION
NO.	NO.	FET	2SK241-Y
Q1 Q2	1560000100 1560000100	FET	25K241-1 2SK241-Y
Q3	1530001810	Transistor	2SC3355
Q4	1530000810	Transistor	2SC2053
Q5	1530000770	Transistor	2SC1947
Q6	1560000130	FET FET	2SK125 2SK125
Q7 Q8	1560000130 1580000050	FET	3SK121-Y
Q9	1590000350	Transistor	RN1204
Q10	1590000360	Transistor	RN2202
Q11	1590000360	Transistor	RN2202
Q12	1530000810 1590000350	Transistor Transistor	2SC2053 RN1204
Q13 Q14	1590000350	Transistor	RN2202
Q15	1530001810	Transistor	2SC3355
Q16	1590000350	Transistor	RN1204
Q17	1590000350	Transistor	RN1204
Q18	1590000350	Transistor	RN1204
D1	1710000050	Diode	1\$\$53
D2	1710000040	Diode	1\$953
D3	1710000050	Diode	1\$\$53 1\$\$53
D4 D5	1710000050 1710000050	Diode Diode	1SS53
DB	1710000050	Diode	18853
D7	1710000160	Diode	188133
D8	1710000280	Diode	MI301
D9	1710000160	Diode	1SS133
D10 D11	1710000280 1710000580	Diode Diode	MI301 1SS265
D12	1710000580	Diode	1\$\$265
D13	1710000580	Diode	1SS265
D14	1720000060	Varicap	1\$V50(1)E
D15	1720000060	Varicap	1SV50(1)E
D16 D17	1720000060 1710000580	Varicap Diode	1SV50(1)E 1SS265
D18	1710000380	Diode	MI301
D19	1710000040	Diode	1S953
D20	1710000160	Diode	1SS133
D21	1790000240	Diode	15599
1			
L1	6150001480	Coil	LS-164
L2	6150001310	Coil	LS-145
L3	6130000660	Coil	LB-83
L4 L5	6130000020 6130000340	Coil Coil	LB-1-1A LB-50A
L6	6110001660	Coil	LA-252
L7	6130000660	Coil	LB-83
L8	6130000340	Coil	LB-50A
L9	6110001750	Coil	LA-264
L10 L11	6180000770 6110001520	Coil Coil	LAL 03NA 1R0M LA-232
L12	6110001650	Coil	LA-248
L13	6110001670	Coil	LA-253
L14	6150002200	Coil	LS-228
L15	6140001200	Coil Coil	LR-145 LA-235
L16 L17	6110001550 6130000340	Coil	LA-235 LB-50A
L18	6130000020	Coil	LB-1-1A

[RF-A UNIT]

[RF-A UNIT]				
REF. NO.	ORDER NO.		DESCRIPTION	
L19	6130000170	Coil	LB-34A	
L20	6130000170	Coil	LB-34A	
L21	6130000340	Coil	LB-50A	
L22	6140000930	Coil	LR-116	
L23	6110001540	Coil	LA-234	
L24	8110001540	Coil	LA-234	
L25	6150002880	Coil Coil	LS-302	
L26 L27	6150002880 6150002880	Coil	LS-302 LS-302	
L27 L28	6110001620	Coil	LA-245	
L29	6110001610	Coil	LA-244	
L30	6110001620	Coil	LA-245	
L31	6110001530	Coil	LA-233	
L32	6110001550	Coil	LA-235	
R1	7010003440	Resistor	ELR20J 2.2 kΩ	
R2	7310003170	Trimmer	EVN-2ACA00 B53 (502)	
			(EUR-H), (USA-H),	
			(AUS-H),(SWE-H)	
R2	7310003180	Trimmer	EVN-2ACA00 B24 (203)	
۱		T	(EUR),(USA),(AUS),(SWE)	
R3	7310003160	Trimmer Resistor	EVN-2ACA00 B13 (102)	
R4	7010004070 7010000990	Resistor	R20J 100 Ω R25XJ 47 Ω	
R5 R6	7010000990	Resistor	H25AJ 47 Ω ELR20J 1 kΩ	
R7	7010003470	Resistor	ELR20J 3.9 kΩ	
R8	7010004690	Resistor	R50XJ 47 Ω	
R9	7010003420	Resistor	ELR20J 1.5 kΩ	
R11	7010003880	Resistor	R20J 2.7 Ω	
l			(EUR-H), (USA-H),	
1			(AUS-H),(SWE-H)	
R12	7010003090	Resistor	ELR20J 2.7 Ω	
1			(EUR-H),(USA-H),	
			(AUS-H),(SWE-H)	
R13	7010003360	Resistor	ELR20J 470 Ω	
			(EUR-H), (USA-H),	
R14	7010003360	Resistor	(AUS-H),(SWE-H) ELR20J 470 Ω	
K14	7010003360	Resistor	(EUR-H),(USA-H),	
l			(AUS-H),(SWE-H)	
R15	7010003930	Resistor	R20J 6.8 Ω	
			(EUR-H), (USA-H),	
			(AUS-H),(SWE-H)	
R16	7010004030	Resistor	R20J 47 Ω	
l			(EUR-H), (USA-H),	
l _			(AUS-H),(SWE-H)	
R17	7010004650	Resistor	R50XJ 10 Ω	
			(EUR-H),(USA-H),	
R18	7010004230	Resistor	(AUS-H),(SWE-H) R20J 2.2 kΩ	
R19	7010004230	Resistor	R20J 2.2 kΩ	
R20	7010003440	Resistor	ELR20J 2.2 kQ	
R21	7010004030	Resistor	R20J 47 Ω	
R22	7310003180	Trimmer	EVN-2ACA00 B24 (203)	
R23	7010003360	Resistor	ELR20J 470 Ω	
R24	7010003360	Resistor	ELR20J 470 Ω	
R25	7010004190	Resistor	R20J 1 kΩ	
R26	7010003300	Resistor	ELR20J 150 Ω	
R27	7010004260	Resistor	R20J 3.9 kΩ R20J 12 kΩ	
R28 R29	7010004330 7010004030	Resistor Resistor	R20J 12 kΩ R20J 47 Ω	
R29	7010004030	Resistor	R20J 47 Q	
R31	7010004030	Resistor	ELR20J 100 Ω	
R32	7010003250	Resistor	R20J 100 kQ	
R34	7010003600	Resistor	ELR20J 33 kΩ	
R35	7010004330	Resistor	R20J 12 kΩ	
R36	7010003470	Resistor	ELR20J 3.9 kΩ	
R37	7010004070	Resistor	R20J 100 Ω	
R38	7010003530	Resistor	ELR20J 10 kΩ	
R39	7010003400	Resistor	ELR20J 1 kΩ	
R40	7010000790	Resistor	R25XJ 1 Ω	
R41 R43	7010003300 7010004170	Resistor Resistor	ELR20J 150 Ω R20J 680 Ω	
R44	7010004170	Resistor	R20J 680 Ω R20J 1.2 kΩ	
R45	7010004200	Resistor	R20J 47 kΩ	
R46	7010004030	Resistor	R20J 47 Ω	
R47	7010004450	Resistor	R20J 100 kΩ	
R48	7010004450	Resistor	R20J 100 kΩ	

[RF-A UNIT]

ORDER REF. DESCRIPTION NO. NO. 7010004450 Resistor R₂0J 100 kΩ R49 7010004050 Resistor R₂₀J 68 O R50 7010004170 **R51** Resistor R20.I 680 Q R52 7010003290 Resistor ELR20J 120 Q 7010004030 Resistor R20J **R53** 47 Q ELR20J 470 Ω R56 7010003360 Resistor 7010004250 Resistor R20J 3.3 kQ R57 ELR20J 3.9 kΩ 7010003470 **R58** Resistor R59 7010003530 Resistor ELR20J 10 kQ R60 7010004220 Resistor R20J 1.8 kΩ ELR20J 180 Ω R61 7010003310 Resistor R62 7010003280 Resistor ELR20J 100 Q 7010003800 FI R20.1 Resistor 33 kO RA3 FIR20J 47 O R64 7010003240 Resistor R65 7010003320 Resistor ELR20J 220 Ω R66 7010003160 Resistor ELR20J 10 Ω R67 7010001190 Resistor R25XJ 2.2 kQ 7010004190 Resistor R₂₀J **R68** 1 kO ELR20J 3.9 kQ 7010003470 Resistor RAG **R70** 7010004010 Resistor R₂0J 33 O 4010000520 **DD108 B 472K 50V** C2 Ceramic DD105 SL 101J 50V 4010000330 C3 Ceramic C4 4010000220 Ceramic DD104 SL 330J 50V C5 4010000220 Ceramic DD104 SL 330J 50V C6 4010000500 Ceramic **DD104 B 102K 50V** C7 4010000500 Ceramic **DD104 B 102K 50V** 4610000770 CV38D 1001 C8 Trimmer **DD104 CH 180J 50V** 4010000780 Ca Ceramic **DD104 B 102K 50V** C10 4010000500 Ceramic C11 4010000380 Ceramic **DD107 SL 221J 50V** 4010000500 **DD104 B 102K 50V** C12 Ceramic C13 4010000200 Ceramic **DD104 SL 270J 50V** 4010000380 Ceramic DD107 SL 221J 50V C14 4010000500 Ceramic DD104 B 102K 50V C15 C16 4610000780 Trimmer CV38D 2001 C17 4010000520 Ceramic **DD108 B 472K 50V** C18 4010000150 Ceramic DD104 SL 150J 50V C19 4040000150 **Barrier Layer UAT 05X 472K** 4040000150 **UAT 05X 472K** C20 **Barrier Laver Barrier Layer** 4040000150 **LIAT 05X 472K** C21 4010000340 **DD105 SL 121J 50V** C22 Ceramic C23 4010000500 Ceramic **DD104 B 102K 50V** C24 4010000500 Ceramic **DD104 B 102K 50V** 4010000500 **DD104 B 102K 50V** C25 Ceramic C26 4010000340 Ceramic **DD105 SL 121J 50V DD104 B 102K 50V** 4010000500 Ceramic C27 (EUR-H), (USA-H), (AUS-H),(SWE-H) 4010000500 Ceramic **DD104 B 102K 50V** C28 C29 4010000180 Ceramic **DD104 SL 220J 50V DD104 B 102K 50V** C30 4010000500 Ceramic 4010000500 DD104 B 102K 50V C31 Ceramic C32 4010000500 Ceramic **DD104 B 102K 50V** C33 4010000500 Ceramic **DD104 B 102K 50V** C34 4010000500 Ceramic **DD104 B 102K 50V** C35 4010000500 Ceramic **DD104 B 102K 50V** 4010003290 DD104 UJ 050C 50V C36 Ceramic C37 4010000190 Ceramic **DD104 SL 240J 50V** C38 4010000500 Ceramic **DD104 B 102K 50V** C39 4010000380 Ceramic **DD107 SL 221J 50V** C40 4010000500 Ceramic **DD104 B 102K 50V** C41 4010000500 Ceramic **DD104 B 102K 50V** (EUR-H),(USA-H), (AUS-H), (SWE-H) C42 4010000500 Ceramic **DD104 B 102K 50V** (EUR-H), (USA-H), (AUS-H), (SWE-H) CV38B 0601 C43 4610000800 Trimmer (EUR-H), (USA-H), (AUS-H), (SWE-H) C44 4010000220 Ceramic DD104 SL 330J 50V (EUR-H), (USA-H), (AUS-H),(SWE-H) C45 4610000790 Trimmer CV38E 3001 (EUR-H),(USA-H), (AUS-H),(SWE-H)

[RF-A UNIT]

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REF. NO.	ORDER NO.		DESCRIPTION
C48	4010000180	Ceramic	DD104 SL 220J 50V
			(EUR-H), (USA-H),
C47	4010000150	Ceramic	(AUS-H),(SWE-H) DD104 SL 150J 50V
C47	4010000130	Ceramic	DD104 SE 1303 30V
			(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
C49	4040000260	Barrier Layer	UZE 08X 104M
			(EUR-H),(USA-H), (AUS-H),(SWE-H)
C50	4510003910	Electrolytic	16 MV 47 HW
		_	(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
C51	4010000500	Ceramic	DD104 B 102K 50V
**	10.000000	00140	(EUR-H),(USA-H),
l			(AUS-H),(SWE-H)
C53	4010000330	Ceramic	DD105 SL 101J 50V
C54 C55	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C56	4010000500	Ceramic	DD104 B 102K 50V
C57	4010000500	Ceramic	DD104 B 102K 50V
C58	4010000170	Ceramic	DD104 SL 200J 50V
C59	4010000120	Ceramic	DD104 SL 100D 50V
C60 C61	4010000100 4010000180	Ceramic Ceramic	DD104 SL 080D 50V DD104 SL 220J 50V
C62	4010000180	Ceramic	DD104 SE 2203 30V DD108 B 472K 50V
C63	4010000160	Ceramic	DD104 SL 180J 50V
C64	4010000020	Ceramic	DD104 SL 010C 50V
C65	4010000010	Ceramic	DD104 SL 0R5C 50V
C66 C68	4010000160 4010000010	Ceramic Ceramic	DD104 SL 180J 50V DD104 SL 0R5C 50V
C69	4010000160	Ceramic	DD104 SL 180J 50V
C70	4010000500	Ceramic	DD104 B 102K 50V
C71	4010000020	Ceramic	DD104 SL 010C 50V
C72	4010000500	Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C73 C74	4010000500 4010000380	Ceramic Ceramic	DD104 B 102K 50V DD107 SL 221J 50V
C75	4010000500	Ceramic	DD104 B 102K 50V
C78	4020000770	Cylinder	UP050 SL 200J
C77	4010000220 4020000620	Ceramic Cvlinder	DD104 SL 330J 50V UP050 SL 220J
C79	4010000160	Ceramic	DD104 SL 180J 50V
C80	4010000190	Ceramic	DD104 SL 240J 50V
C81	4010000500	Ceramic	DD104 B 102K 50V
C82 C83	4010000180 4010000650	Ceramic Ceramic	DD104 SL 220J 50V DD104 CH 050C 50V
C84	4010000500	Ceramic	DD104 B 102K 50V
C85	4010000500	Ceramic	DD104 B 102K 50V
C86	4010000500	Ceramic	DD104 B 102K 50V
C87 C88	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C89	4010000500	Ceramic	DD104 B 102K 50V
C91	4010000500	Ceramic	DD104 B 102K 50V
C92	4010000500	Ceramic	DD104 B 102K 50V
C93 C94	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C95	4010000500	Ceramic	DD104 B 102K 50V
C96	4010000500	Ceramic	DD104 B 102K 50V
C97	4010000500	Ceramic	DD104 B 102K 50V
C98 C99	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C100	4510003910	Electrolytic	18 MV 47 HW
C101	4010000180	Ceramic	DD104 SL 220J 50V
C102	4010000070	Ceramic	DD104 SL 050C 50V
C103 C104	4010000070 4010000070	Ceramic Ceramic	DD104 SL 050C 50V DD104 SL 050C 50V
C104	4010000070	Ceramic	DD104 SL 050C 50V
C106	4010000070	Ceramic	DD104 SL 050C 50V
C107	4010000500	Ceramic	DD104 B 102K 50V
C108	4010003290	Ceramic	DD104 UJ 050C 50V
C109	4040000150	Barrier Layer	UAT 05X 472K
EP1	0910023585	P.C. Board	B 2250E (RF-A)

[RF-B UNIT]

ORDER DESCRIPTION NO. NO. IC1 1790000050 IC ND487C1-3R IC **DM 412E H** IC2 6910000200 IC3 1790000050 IC ND487C1-3R 2SC763 C 01 1530000250 Transistor 1530001810 Transistor 2SC3355 Q2 Q3 1530001810 Transistor 2SC3355 1530000640 Transistor 2SC2407(A) Q4 (EUR-H),(USA-H), (AUS-H), (SWE-H) 1530000900 Q4 Transistor 2SC3019 (EUR),(USA),(AUS),(SWE) Q5 1530000150 Transistor 2SC2668-O 1530001810 Transistor 2SC3355 Q6 **Q7** 1580000110 FET 3SK74 M 1580000110 FET 3SK74 M 08 O9 1530000520 Transistor 2SC2026 Q10 1530000520 Transistor 2SC2026 1530002210 Transistor 2SC3776-D Q11 Q12 1580000050 FET 3SK121-Y RN1204 1590000350 Transistor 013 Q14 1590000350 Transistor RN1204 Q15 1590000350 Transistor RN1204 18853 D1 1710000050 Diode 1710000410 MI105 D2 Diode MI105 D3 1710000410 Diode D4 1710000030 Diode **1S1555** (EUR-H), (USA-H), (AUS-H),(SWE-H) D5 1710000410 Diode MI105 D6 1710000050 Diode 18853 1710000050 **1SS53 D7** Diode D8 1710000160 Diode **1SS133** 1710000160 Diode 188133 D9 1710000050 18853 D10 Diode 1710000050 Diode 18853 D11 1710000580 **1SS265** Diode D12 1710000580 D13 Diode **1SS265** D14 1710000580 Diode **1SS265** D15 1710000410 Diode MI105 **1SS265** D16 1710000580 Diode D17 1710000280 Diode MI301 1710000030 **1S1555** D18 Diode 1710000050 **1SS53** D19 Diode FI1 2010001110 Filter 71M15A1 (FL-131) FI2 2010001100 Filter 71M15A (FL-130) L1 6150002990 Coil LS-310 L2 6150002890 Coil LS-303 L3 6140000930 Coil LR-116 6150002550 14 Coil LS-284 6150002550 L5 Coil LS-284 L6 6150000990 Coil LS-114 L7 6150002550 Coil LS-284 L8 6190000050 Coil 7HW-252MX-1550A (EUR), (EUR-H), (SWE),(SWE-H) 6190000270 7HW-252MXP-2241A L8 Coil (USA),(USA-H),(AUS),(AUS-H) L9 6180000770 Coil LAL 03NA 1R0M 6180000770 LAL 03NA 1R0M L10 Coil 6190000050 7HW-252MX-1550A Coil L12 (EUR),(EUR-H) (SWE), (SWE-H) 6190000270 L12 Coil 7HW-252MXP-2241A (USA),(USA-H),(AUS),(AUS-H) L13 6180000770 Coil LAL 03NA 1R0M 6110001990 Coil LA-223 L14 6180000770 LAL 03NA 1R0M L15 Coil L16 6110001980 Coil LA-222 6110001980 L19 Coil LA-222

[RF-B UNIT]

REF. NO.	ORDER NO.	_	DESCRIPTION
L20	6150002990	Coil	LS-310
L21	6150002890	Coil	LS-303
L22	6140001600	Coil	LR-178
L23	6180001380	Coil	LAL 02KR 1R0K
L24	6150002550	Coil	LS-284
L25	6150002550	Coil	LS-284
L26	6180000770	Coil	LAL 03NA 1R0M
L27	6180001380	Coil	LAL 02KR 1R0K
L28	8110001810	Coil	LA-244
L29	8110001530	Coil	LA-233
L30	6110001530	Coil	LA-233
L31	6150000990	Coil	LS-114
L32 L33	6150002430 6150002430	Coil Coil	LS-254 LS-254
L34	6150002430	Coil	LS-114
L35	6150002430	Coil	LS-254
L36	6150002430	Coil	LS-254
L37	6150001310	Coil	LS-145
L38	6140001200	Coil	LR-145
L39	6180000770	Coil	LAL 03NA 1ROM
L40	8190000050	Coil	7HW-252MX-1550A
			(EUR),(EUR-H),
L40	6190000270	Coil	(SWE),(SWE-H) 7HW-252MXP-2241A
			(USA),(USA-H),(AUS),(AUS-H)
L41	6190000050	Coil	7HW-252MX-1550A
			(EUR),(EUR-H),
			(SWE),(SWE-H)
L41	6190000270	Coil	7HW-252MXP-2241A
			(USA),(USA-H),(AUS),(AUS-H)
L42	6170000180	Coil	LW-19
L43	6110001830	Coil	LA-159
L44	6180001380	Coil	LAL 02KR 1R0K
L46	6180002400	Coil	LAL 02NA 1R0K
L47	6150002550	Coil	LS-284
L48	6110001550	Coil	LA-235
			(USA),(USA-H),(AUS),(AUS-H)
R1	7010003440	Resistor	ELR20J 2.2 kΩ
R2	7010004120	Resistor	R20J 270 Q
R4	7010003530	Resistor	ELR20J 10 kΩ
R5	7010004370	Resistor	R20J 22 kΩ
R6	7010003160	Resistor	ELR20J 10 Ω
R7	7010004070	Resistor	R20J 100 Ω
R8	7010003330	Resistor	ELR20J 270 Ω
R9	7010003190	Resistor	ELR20J 18 Ω
R10	7010003330	Resistor	ELR20J 270 Ω
R11	7010003390	Resistor	ELR20J 820 Ω
R12	7010003130	Resistor	ELR20J 5.6 Ω
R13	7010005230	Resistor	ELR20J 750 Ω
R14	7010003270	Resistor	ELR20J 82 Ω
R15	7010004130	Resistor	R20J 330 Ω
R16	7010003400	Resistor	ELR20J 1 kΩ
R17	7010003510	Resistor	ELR20J 6.8 kΩ
R18	7010004070	Resistor	R20J 100 Q
R19	7010003320	Resistor	ELR20J 220 Q
R20	7010003400	Resistor	ELR20J 1 kQ
R21 R22	7010003490 7010004030	Resistor Resistor	ELR20J 5.6 kΩ R20J 47 Ω
R23	7010004030	Resistor	H20J 47 Ω ELR25J 12 Ω
1123	7010000140	116919101	(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
R23	7010000170	Resistor	ELR25J 22 Ω
			(EUR),(USA),(AUS),(SWE)
R24	7010004260	Resistor	R20J 3.9 kΩ
l .			(EUR-H),(USA-H),
B04	7010004050	Bo-i-t-	(AUS-H),(SWE-H)
R24	7010004250	Resistor	R20J 3.3 kΩ
			(EUR-H),(USA-H),
R25	7010003400	Resistor	(AUS-H),(SWE-H) ELR20J 1 kΩ
1,12,5	7010003400	110313101	(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
R25	7010003330	Resistor	ELR20J 270 Q
	. 0 . 0 0 0 0 0 0 0	1100101	(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
R26	7010004230	Resistor	R20J 2.2 kΩ

[RF-B UNIT]

[RF-B UNIT]			
REF. NO.	ORDER NO.		DESCRIPTION
R27	7010003330	Resistor	ELR20J 270 Ω
R28	7010003440	Resistor	ELR20J 2.2 kΩ
R29 R30	7010003440 7010003330	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 270 Ω
R31	7010003330	Resistor	ELR20J 330 Q
R32	7010003440	Resistor	ELR20J 2.2 kΩ
R34	7010004070	Resistor	R20J 100 Ω
R35 R36	7010003460 7010004370	Resistor Resistor	ELR20J 3.3 kΩ R20J 22 kΩ
R37	7010004070	Resistor	R20J 100 Ω
R38	7010004120	Resistor	R20J 270 Ω
R39	7010004070 7010003400	Resistor Resistor	R20J 100 Ω ELR20J 1 kΩ
R40 R41	7010003400	Resistor	ELR20J 4.7 kΩ
R42	7010004070	Resistor	R20J 100 Ω
R43	7310003240	Trimmer	EVN-2ACA00 B23 (202)
R44 R45	7010003240 7510000300	Resistor Thermistor	ELR20J 47 Ω ERT-D2ZGL601S
R47	7010003200	Resistor	ELR20J 22 Q
R48	7010004230	Resistor	R20J 2.2 kΩ
R49	7310003240 7010003240	Trimmer Resistor	EVN-2ACA00 B23 (202) ELR20J 47 Ω
R50 R51	7510003240	Thermistor	ERT-D2ZGL601S
R53	7010003200	Resistor	ELR20J 22 Ω
R54	7010004230	Resistor	R20J 2.2 kΩ
R55 R56	7010003440 7010004090	Resistor Resistor	ELR20J 2.2 kΩ R20J 150 Ω
R57	7010004070	Resistor	R20J 100 Ω
R58	7010004160	Resistor	R20J 580 Ω
R59 R60	7010003160 7010003950	Resistor Resistor	ELR20J 10 Ω R20J 10 Ω
R61	7010003580	Resistor	ELR20J 22 kQ
R62	7010004130	Resistor	R20J 330 Ω
R63	7010004190	Resistor Resistor	R20J 1 kΩ ELR20J 100 Ω
R84 R85	7010003280 7010003220	Resistor	ELR20J 33 Q
R66	7010003310	Resistor	ELR20J 180 Ω
R67	7010003340	Resistor	ELR20J 330 Ω R20J 100 Ω
R68 R69	7010004070 7010003460	Resistor Resistor	R20J 100 Ω ELR20J 3.3 kΩ
R70	7010004070	Resistor	R20J 100 Ω
R71	7010003270	Resistor	ELR20J 82 Q
R72 R73	7010003600 7010004450	Resistor Resistor	ELR20J 33 kΩ R20J 100 kΩ
R74	7010003480	Resistor	ELR20J 4.7 kΩ
R75	7010004350	Resistor	R20J 18 kΩ
R76	7010003510	Resistor Resistor	ELR20J 6.8 kΩ ELR20J 47 Ω
R78	7010003440	Resistor	ELR20J 2.2 kΩ
R79	7010003440	Resistor	ELR20J 2.2 kΩ
R80 R81	7010004150 7010003240	Resistor Resistor	R20J 470 Ω ELR20J 47 Ω
R82	7310003160	Trimmer	EVN-2ACA00 B13 (102)
R83	7010003240	Resistor	ELR20J 47 Ω
R84	7010003290	Resistor	ELR20J 120 Ω ELR20J 3.3 kΩ
R85 R86	7010003460 7010003160	Resistor Resistor	ELR20J 3.3 kΩ ELR20J 10 Ω
R87	7010003970	Resistor	R20J 15 Ω
R89	7010003400	Resistor	ELR20J 1 kQ
R90	7010003300	Resistor	(EUR),(USA),(AUS),(SWE) ELR20J 150 Ω
R91	75100003300	Thermistor	ERT-D2ZGL301S
R92	7010003370	Resistor	ELR20J 560 Ω
R93	7010003370	Resistor	(EUR),(USA),(AUS),(SWE) ELR20J 560 Ω
R94	7010003370	Resistor	ELR20J 120 kΩ
R95	7010003660	Resistor	ELR20J 100 kΩ
R96	7010003370	Resistor	ELR20J 560 Q
R97 R98	7010003670 7010003660	Resistor Resistor	ELR20J 120 kΩ ELR20J 100 kΩ
	,		
C1	4010000500	Ceramic	DD104 B 102K 50V
C2	4040000150	Barrier Layer	
C3 C4	4010000040 4010000500	Ceramic Ceramic	DD104 SL 020C 50V DD104 B 102K 50V
C5	4040000150	Barrier Layer	UAT 05X 472K
C6	4010000500	Ceramic	DD104 B 102K 50V

[RF-B UNIT]

[RF-B U	Mil	N. 1914	
REF. NO.	ORDER NO.		DESCRIPTION
C7	4010003290	Ceramic	DD104 UJ 050C 50V
C8	4010000010	Ceramic	DD104 SL 0R5C 50V
C9	4010003290	Ceramic	DD104 UJ 050C 50V DD104 SL 080D 50V
C10 C11	4010000100 4040000150	Ceramic Barrier Layer	
C12	4010000020	Ceramic	DD104 SL 010C 50V
C13	4040000480	Barrier Layer	RAU 04AK R75C
C14	4010000070	Ceramic	DD104 SL 050C 50V
C15	4010000500	Ceramic	DD104 B 102K 50V
C16	4010000520	Ceramic	DD108 B 472K 50V DD104 B 102K 50V
C17 C18	4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 SL 470J 50V
C19	4010000220	Ceramic	DD104 SL 330J 50V
***		-	(EUR),(EUR-H),
			(SWE),(SWE-H)
C19	4010000330	Ceramic	DD105 SL 101J 50V
COO	4010000500	Ceramic	(USA),(USA-H),(AUS),(AUS-H) DD104 B 102K 50V
C20 C22	4010000500 4010000260	Ceramic	DD104 B 102K 30V DD104 SL 470J 50V
C23	4010000500	Ceramic	DD104 B 102K 50V
C24	4010000260	Ceramic	DD104 SL 470J 50V
C25	4610000800	Trimmer	CV38B 0601
C26	4010000020	Ceramic	DD104 SL 010C 50V
C27	4010000280	Ceramic Ceramic	DD104 SL 470J 50V
C28 C29	4010000260 4010000500	Ceramic Ceramic	DD104 SL 470J 50V DD104 B 102K 50V
C30	4010000360	Ceramic	DD104 SL 470J 50V
C31	4010000500	Ceramic	DD104 B 102K 50V
C32	4010000260	Ceramic	DD104 SL 470J 50V
C33	4010000500	Ceramic	DD104 B 102K 50V
C34	4610000800	Trimmer	CV38B 0601
C35 C37	4040000150 4010000040	Barrier Layer Ceramic	UAT 05X 472K DD104 SL 020C 50V
C38	4010000500	Ceramic	DD104 B 102K 50V
C39	4010000500	Ceramic	DD104 B 102K 50V
C41	4040000150	Barrier Layer	UAT 05X 472K
C42	4010000500	Ceramic	DD104 B 102K 50V
C43	4010000100	Ceramic	DD104 SL 080D 50V UP125 SL 010M
C44 C45	4020000010	Cylinder Ceramic	DD104 SL 080D 50V
C46	4010000500	Ceramic	DD104 B 102K 50V
C47	4010000520	Ceramic	DD108 B 472K 50V
C49	4010000180	Ceramic	DD104 SL 220J 50V
C50	4010000500	Ceramic	DD104 B 102K 50V
C51 C52	4010000180 4810000770	Ceramic Trimmer	DD104 SL 220J 50V CV38D 1001
C53	4010000500	Ceramic	DD104 B 102K 50V
C54	4010000500	Ceramic	DD104 B 102K 50V
C55	4010000480	Ceramic	DD104 B 471K 50V
C58	4610000780	Trimmer	CV38D 2001
C57 C58	4010000140 4010000520	Ceramic Ceramic	DD104 SL 120J 50V DD108 B 472K 50V
C59	4010000520	Ceramic	DD104 B 102K 50V
C60	4010000050	Ceramic	DD104 SL 030C 50V
C61	4010000520	Ceramic	DD108 B 472K 50V
C62	4010000520	Ceramic	DD108 B 472K 50V
C65	4010000080	Ceramic Ceramic	DD104 SL 040C 50V
C66 C68	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C69	4010000520	Ceramic	DD104 B 102K 50V
C70	4010000050	Ceramic	DD104 SL 030C 50V
C71	4010000520	Ceramic	DD108 B 472K 50V
C72	4010000520	Ceramic	DD108 B 472K 50V
C74 C75	4010000060 4010000520	Ceramic Ceramic	DD104 SL 040C 50V DD108 B 472K 50V
C75	4010000520	Ceramic	DD108 B 472K 50V DD104 SL 580J 50V
C77	4010000260	Ceramic	DD104 SL 470J 50V
C78	4010000500	Ceramic	DD104 B 102K 50V
C79	4010000500	Ceramic	DD104 B 102K 50V
C80	4010000500	Ceramic	DD104 B 102K 50V
C81 C82	4010000330 4010000260	Ceramic Ceramic	DD105 SL 101J 50V DD104 SL 470J 50V
C83	4010000500	Ceramic	DD104 B 102K 50V
C85	4010000480	Ceramic	DD104 B 471K 50V
C86	4010000260	Ceramic	DD104 SL 470J 50V
C87	4010000500	Ceramic	DD104 B 102K 50V
C88 C89	4010000460 4020000900	Ceramic Cylinder	DD104 B 471K 50V UP050 SL 270J

[RF-B UNIT]

REF. ORDER DESCRIPTION NO. NO C90 4010000180 Ceramic DD104 SL 220J 50V (EUR),(EUR-H), (SWE), (SWE-H) C90 4010000460 Ceramic DD104 B 471K 50V (USA),(USA-H),(AUS),(AUS-H) C91 4010000260 Ceramic DD104 SL 470J 50V C92 4010000500 Ceramic DD104 B 102K 50V 4010000260 Ceramic DD104 SL 470J 50V C93 DD104 B 102K 50V C94 4010000500 Ceramic 4010000500 Ceramic DD104 B 102K 50V C95 4010000050 DD104 SL 030C 50V C98 Ceramic C97 4810000800 Trimmer CV38B 0601 C98 4010000140 Ceramic DD104 SL 120J 50V 4010000280 Ceramic DD104 SL 470J 50V C99 DD104 B 102K 50V C100 4010000500 Ceramic 4010000500 Ceramic **DD104 B 102K 50V** C101 **DD104 B 102K 50V** 4010000500 C102 Ceramic 4010000500 DD104 B 102K 50V C103 Ceramic C104 4010000500 Ceramic **DD104 B 102K 50V** 4010000500 Ceramic DD104 B 102K 50V C105 4010000500 Ceramic **DD104 B 102K 50V** C106 **DD104 B 102K 50V** 4010000500 Ceramic C107 4010000500 DD104 B 102K 50V C108 Ceramic C109 4010000500 Ceramic DD104 B 102K 50V C110 4510003910 Electrolytic 16 MV 47 HW C111 4010000080 Ceramic DD104 SL 060D 50V 4010000080 Ceramic DD104 SL 080D 50V C112 4010000500 **DD104 B 102K 50V** Ceramic C114 4010003270 DD104 UJ 030C 50V C118 Ceramic C119 4010000220 Ceramic DD104 SL 330J 50V C120 4010000500 Ceramic **DD104 B 102K 50V** 4010000500 DD104 B 102K 50V C121 Ceramic 4010000500 Ceramic DD104 B 102K 50V C122 4010000500 Ceramic DD104 B 102K 50V C123 C124 4010000050 Ceramic **DD104 SL 030C 50V** C125 4010000150 Ceramic **DD104 SL 150J 50V** 4010000030 Ceramic **DD104 SL 1R5C 50V** C126 DD104 SL 1R5C 50V C127 4010000030 Ceramic C128 4010000070 Ceramic DD104 SL 050C 50V 4010000070 DD104 SL 050C 50V Ceramic C129 DD104 SL 470J 50V C130 4010000280 Ceramic C131 4010000260 Ceramic DD104 SL 470J 50V C132 4010000170 Ceramic DD104 SL 200J 50V 4010000050 DD104 SL 030C 50V C133 Ceramic (USA), (USA-H), (AUS), (AUS-H) C133 4010000500 **DD104 B 102K 50V** Ceramic (EUR), (EUR-H), (SWE),(SWE-H) C134 4610000800 Trimmer CV38B 0601 (USA), (USA-H), (AUS), (AUS-H) DD104 SL 470J 50V C135 4010000260 Ceramic 4010000260 **DD104 SL 470J 50V** C136 Ceramic 4010000500 Ceramic DD104 B 102K 50V C137 4010000100 C138 Ceramic DD104 SL 080D 50V C139 4010000850 Ceramic **DD104 CH 050C 50V** (USA),(USA-H),(AUS),(AUS-H) C140 4010000500 Ceramic DD104 B 102K 50V 4010000180 Ceramic DD104 SL 180J 50V C141 4010000280 C142 Ceramic DD104 SL 470J 50V C143 4010000500 Ceramic **DD104 B 102K 50V** EP1 0910023857 P.C. Board B 2251G (RF-B) DL 20P 2.8-3-1.2H 6910000970 Lead Frame FP2

[LOGIC UNIT]

[LOGIC	UNII		
REF. NO.	ORDER NO.		DESCRIPTION
IC1	1140001220	IC	HD64180R1P6
IC2	1130003771	IC	HM6264ALP15SL SC-1128
IC3 IC4	1130004770 1130002840	IC IC	и PD71055C
IC5	1140000940	ic	TMP82C255AN-2-Z
IC6	1130003860	IC	MB4052M-G
IC7	1130004610	IC	GD74HC42
IC8	1140000940	IC IC	TMP82C255AN-2-Z GD4024B
IC10	1130003050	ic	ц PD4094BC
IC11	1130004690	IC	LC7366N (DIP)
IC12	1130004680	IC	LC7385 (DIP)
IC13	1130003480	IC	M50784SP
IC14 IC15	1130003480 1130003480	IC IC	M50784SP M50784SP
IC18	1130003480	ic	M50784SP
IC17	1130003890	IC	GD4024B
IC18	1130000950	IC	S7116A
IC19	1130001050	IC	μ PD4094BC
IC20 IC21	1110001680	IC IC	S-8054ALB GD4030B
1C22	1130004630	IC	GD4030B
IC23	1130003870	IC	GD4001B
IC24	1130003880	IC	GD4011B
IC25	1130003870	IC	GD4001B
IC26 IC27	1130003870 1130003870	IC IC	GD4001B GD4001B
IC29	1130004750	ic	MC74HC00AN
IC30	1130004650	ic	GD74HC32
IC31	1130004600	IC	GD74HC00
IC32	1110002070	IC	TA78L08S
IC33 IC34	1110002020	IC IC	TA7805S GD4013B
1034	1130004620	10	GD4013B
Q1	1530000110	Transistor	2SC2458-GR
Q2	1510000070	Transistor	2\$A1048-Y
Q3	1510000070	Transistor	2SA1048-Y
Q4	1530000110	Transistor	2\$C2458-GR
Q5 Q6	1530000110	Transistor Transistor	2SC2458-GR 2SC2458-GR
Q7	1530000110	Transistor	2SC2458-GR
Q8	1530000110	Transistor	2SC2458-GR
Q9	1530000110	Transistor	2SC2458-GR
Q11	1530000110	Transistor	2SC2458-GR
Q12 Q13	1530002590 1530000110	Transistor Transistor	2SC3422-Y 2SC2458-GR
Q14	1530002590	Transistor	2SC3422-Y
Q15	1590000350	Transistor	RN1204
Q18	1510000070	Transistor	2SA1048-Y
Q17	1510000070	Transistor	2\$A1048-Y
Q18 Q19	1590000350 1590000350	Transistor Transistor	RN1204 RN1204
Q20	1590000350	Transistor	RN1204
Q21	1590000350	Transistor	RN1204
Q22	1590000350	Transistor	RN1204
Q23	1590000350	Transistor	RN1204
Q24 Q25	1590000350 1590000350	Transistor Transistor	RN1204 RN1204
Q26	1590000350	Transistor	RN1204
Q27	1530000110	Transistor	2SC2458-GR
Q28	1590000350	Transistor	RN1204
			(EUR),(EUR-H),
			(SWE).(SWE-H)
D1	1710000050	Diode	1\$\$53
D2	1710000050	Diode	1\$\$53
D3	1710000160	Diode	1\$\$133
D4	1710000160	Diode	1SS133
D5 D6	1710000040 1710000160	Diode Diode	1\$953 1\$\$133
D7	1790000240	Diode	1SS99
D8	1710000350	Diode	1N4002
D9	1710000350	Diode	1N4002
D10	1710000160	Diode	1SS133
D11 D12	1710000160 1710000160	Diode Diode	1\$\$133 1\$\$133
U12	17 10000180	Divide	133133

[LOGIC UNIT]

REF.	ORDER NO.		DESCRIPTION
	,,,,,,	Diada	150100
D13 D14	1710000160 1710000160	Diode Diode	1SS133 1SS133
D15	1710000160	Diode	188133
D17	1730000050	Zener	RD3.0E B2
D18	1710000160	Diode	188133
D19 D20	1710000160 1710000160	Diode Diode	1SS133 1SS133
D22	1710000180	Diode	155133
D24	1710000160	Diode	188133
D25	1710000160	Diode	1\$\$133
D26	1710000160	Diode	188133
D27 D28	1710000160 1710000160	Diode Diode	1SS133 1SS133
D29	1710000160	Diode	188133
D30	1710000160	Diode	1\$\$133
X1	6050003120	Crystal	RF-4A3 FAA NKD
l ^'	0000000120	O I your	(3 .579545M)
X2	6050003350	Crystal	RF-4A3 FAF NKD
			(9 .270800M)
	1		
R4	7010003400	Resistor	ELR20J 1 kΩ
R5	7010003400	Resistor	ELR20J 1 kΩ
R6	7010003400	Resistor	ELR20J 1 kΩ
R7	7010003400	Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R8 R9	7010003400 7010003400	Resistor Resistor	ELR20J 1 kQ
R10	7010003400	Resistor	ELR20J 1 kΩ
R11	7010003400	Resistor	ELR20J 1 kΩ
R12	7010003400	Resistor	ELR20J 1 kΩ
R13 R14	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R15	7010003400	Resistor	ELR20J 1 kΩ
R16	7010003400	Resistor	ELR20J 1 kΩ
R17	7010003400	Resistor	ELR20J 1 kΩ
R18 R19	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R20	7010003400	Resistor	ELR20J 1 kQ
R21	7010003400	Resistor	ELR20J 1 kΩ
R22	7010003400	Resistor	ELR20J 1 kΩ
R23	7010003400 7010003400	Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R24 R25	7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R26	7010003400	Resistor	ELR20J 1 kΩ
R27	7010003400	Resistor	ELR20J 1 kΩ
R28 R29	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R30	7010003400	Resistor	ELR20J 1 kΩ
R31	7010003400	Resistor	ELR20J 1 kΩ
R32	7010003400	Resistor	ELR20J 1 kΩ
R33	7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R34 R35	7010003400 7010003400	Resistor	ELR20J 1 kΩ ELR20J 1 kQ
R36	7010003400	Resistor	ELR20J 1 kΩ
R37	7010003400	Resistor	ELR20J 1 kΩ
R38	7010003400	Resistor	ELR20J 1 kΩ
R39 R40	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R41	7010003400	Resistor	ELR20J 1 kQ
R42	7010003400	Resistor	ELR20J 1 kΩ
R43	7010003400	Resistor	ELR20J 1 kQ
R44 R45	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R46	7010003400	Resistor	ELR20J 1 kQ
R47	7010003400	Resistor	ELR20J 1 kQ
R48	7010003400	Resistor	ELR20J 1 kΩ
R49	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R50 R51	7010003400	Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R52	7010003400	Resistor	ELR20J 1 kΩ
R53	7010003400	Resistor	ELR20J 1 kΩ
R54	7010003400	Resistor	ELR20J 1 kQ
R55 R56	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R57	7010003400	Resistor	ELR20J 1 kΩ
R58	7010003400	Resistor	ELR20J 1 kΩ

[LOGIC UNIT]

	01111		
REF.	ORDER NO.		DESCRIPTION
		Desi-t	EL DOOL 150
R59 R60	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R61	7010003400	Resistor	ELR20J 1 kΩ
R62	7010003400	Resistor	ELR20J 1 kΩ
R63	7010003400	Resistor	ELR20J 1 kΩ
R64	7010003400	Resistor	ELR20J 1 kΩ
R65	7010003400	Resistor	ELR20J 1 kΩ
R66 R67	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R68	7010003400	Resistor	ELR20J 1 kΩ
R69	7010003400	Resistor	ELR20J 1 kΩ
R70	7010003400	Resistor	ELR20J 1 kΩ
R71	7010003400	Resistor	ELR20J 1 kΩ
R72	7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R73 R74	7010003400 7010003400	Resistor	ELR20J 1 kΩ
R75	7010003400	Resistor	ELR20J 1 kΩ
R76	7010003400	Resistor	ELR20J 1 kΩ
R77	7010003400	Resistor	ELR20J 1 kΩ
R78	7010003400	Resistor	ELR20J 1 kΩ
R79 R80	7010003780 7010003530	Resistor Resistor	ELR20J 1 MΩ ELR20J 10 kΩ
R81	7010003330	Resistor	ELR20J 1 MΩ
R82	7010003780	Resistor	ELR20J 22 kΩ
R83	7010003580	Resistor	ELR20J 22 kΩ
R84	7010003590	Resistor	ELR20J 27 kΩ
R85	7010003580	Resistor	ELR20J 22 kΩ ELR20J 27 kΩ
R86 R87	7010003590 7410000150	Resistor Resistor Array	
R88	7410000130	Resistor Array	
R89	7410000080	Resistor Array	
R90	7010003530	Resistor	ELR20J 10 kΩ
R91	7010003630	Resistor	ELR20J 56 kΩ
R92 R93	7010003480 7010003440	Resistor Resistor	ELR20J 4.7 kΩ ELR20J 2.2 kΩ
R94	7010003440	Resistor	ELR20J 47 kΩ
R95	7010003620	Resistor	ELR20J 47 kΩ
R96	7010003620	Resistor	ELR20J 47 kΩ
R97	7010003710	Resistor	ELR20J 270 kΩ
R98 R99	7010003820 7010003400	Resistor Resistor	ELR20J 47 kΩ ELR20J 1 kΩ
R100	7010003400	Resistor	ELR20J 1 kΩ
R101	7010003400	Resistor	ELR20J 1 kΩ
R102	7010003400	Resistor	ELR20J 1 kΩ
R103	7010003400	Resistor	ELR20J 1 kΩ
R104 R105	7010003620 7010003530	Resistor Resistor	ELR20J 47 kΩ ELR20J 10 kΩ
R108	7010003330	Resistor	ELR20J 1 kΩ
R107	7010003480	Resistor	ELR20J 4.7 kΩ
R108	7010003530	Resistor	ELR20J 10 kΩ
R109	7010003530	Resistor	ELR20J 10 kΩ
R110 R111	7010003520 7010003520	Resistor Resistor	ELR20J 8.2 kΩ ELR20J 8.2 kΩ
R112	7010003320	Resistor	ELR20J 100 Ω
R113	7010003620	Resistor	ELR20J 47 kΩ
R114	7010003440	Resistor	ELR20J 2.2 kΩ
R115	7010003490	Resistor	ELR20J 5.6 kΩ
R116	7010003400	Resistor Resistor	ELR20J 1 kΩ
R117 R118	7010003400 7010003400	Resistor Resistor	ELR20J 1 kΩ ELR20J 1 kΩ
R119	7010003400	Resistor	ELR20J 1 kQ
R120	7310003250	Trimmer	EVN-D2AA03 B33 (302)
			(EUR),(EUR-H),
D101	7010003000	Bosista	(SWE),(SWE-H)
R121 R122	7010003280 7010003280	Resistor Resistor	ELR20J 100 Ω ELR20J 100 Ω
R123	7010003280	Resistor	ELR20J 100 Ω
R124	7010003460	Resistor	ELR20J 3.3 kΩ
R125	7010003720	Resistor	ELR20J 330 kΩ
R128	7010003660	Resistor	ELR20J 100 kΩ
R127 R129	7010003660 7010003340	Resistor Resistor	ELR20J 100 kΩ ELR20J 330 Q
R129	7010003340	Resistor	ELR20J 330 Ω ELR20J 47 kΩ
R131	7010003400	Resistor	ELR20J 1 kQ
R132	7010003400	Resistor	ELR20J 1 kΩ
R133	7010003400	Resistor	ELR20J 1 kΩ
R134 R135	7010003530 7410000150	Resistor Resistor Array	ELR20J 10 kΩ PMY- 6 473K
11133	7410000130	riesisioi Aridy	

[LOGIC UNIT]

ORDER REF. DESCRIPTION NO. NO. Resistor ELR20J 2.2 kQ R136 7010003440 Resistor ELR20J 47 kQ 7010003620 R137 ELR20J 47 kQ Resistor R138 7010003620 7010003620 ELR20J 47 kO R139 Register R140 7010003530 Resistor ELR20J 10 kQ 7010003660 Resistor ELR20J 100 kΩ R141 7010003400 Resistor ELR20J 1 kQ R142 Resistor ELR20J 1 kΩ 7010003400 R143 7010003400 ELR20J 1 kQ R144 Resistor R145 7010003400 Resistor ELR20J 1 kQ Resistor ELR20J 2.2 kΩ R146 7010003440 7010003440 Resistor ELR20J 2.2 kΩ R147 Resistor ELR20J 2.2 kΩ 7010003440 R148 ELR20J 2.2 kO R149 7010003440 Resistor R150 7410000220 Resistor Array RMX-8473K R151 7410000220 Resistor Array RMX-8473K R152 7410000220 Resistor Array RMX-8473K 7410000220 Resistor Array RMX-8473K R153 7410000220 RMX-8 473K Resistor Array R154 7410000220 Resistor Array RMX-8473K R155 R156 7410000220 Resistor Array RMX-8473K R157 7410000220 Resistor Array RMX-8473K 7410000220 Resistor Array RMX-8 473K R158 R159 7010003820 Resistor ELR20J 3.3 MΩ Resistor ELR20J 560 kQ R160 7010003750 R161 7010003740 Resistor ELR20J 470 kO R162 7010003660 Resistor ELR20J 100 kQ 7010003820 Resistor ELR20J 3.3 MΩ R163 ELR20J 560 kΩ R164 7010003750 Resistor ELR20J 470 kΩ R165 7010003740 Resistor ELR20J 100 kO R166 7010003860 Resistor R167 7010003620 Resistor ELR20J 47 kQ 7010003530 Resistor ELR20J 10 kΩ R168 **ELR20J 22 kQ** R169 7010003580 Resistor 7010003550 Resistor ELR20J 15 kQ R170 Resistor ELR20J 15 kQ 7010003550 R171 Resistor ELR20J 47 kO R172 7010003820 R173 7010003620 Resistor ELR20J 47 kQ R174 7010003660 Resistor ELR20J 100 kΩ ELR20J 120 kΩ R175 7010003670 Resistor R178 7010003550 Resistor ELR20J 15 kQ ELR20J 47 kΩ 7010003620 Resistor R179 ELR20J 15 kQ 7010003550 Resistor R180 R181 7010003550 Resistor ELR20J 15 kQ R182 7010003620 Resistor ELR20J 47 kQ R183 7010003580 Resistor ELR20J 22 kQ 7010003790 Resistor ELR20J 1.2 MΩ R184 7010003620 Resistor ELR20J 47 kQ R185 R187 7010003530 Resistor ELR20J 10 kQ (EUR), (EUR-H), (AUS), (AUS-H) R188 7010003530 Resistor ELR20J 10 kQ (USA), (USA-H), (AUS),(AUS-H) R189 7010003530 Resistor ELR20J 10 kQ (SWE), (SWE-H) R190 7010003530 Resistor ELR20J 10 kQ (EUR), (EUR-H), (AUS), (AUS-H), (SWE), (SWE-H) R191 7010003530 Resistor ELR20J 10 kΩ R192 7010003670 Resistor ELR20J 120 kΩ R193 7010004670 Resistor R50XJ 22 Ω 7010004670 Resistor R50XJ 22 Ω R194 R195 7010003820 Resistor ELR20J 3.3 MQ 7010003720 Resistor ELR20J 330 kQ R197 R198 7010003620 Resistor ELR20J 47 kQ R199 7010003440 Resistor ELR20J 2.2 kΩ 7010003440 Resistor ELR20J 2.2 kΩ R200 R201 7010003440 Resistor ELR20J 2.2 kΩ ELR20J 1 kΩ R202 7010003400 Resistor Resistor ELR20J 1 kO R203 7010003400 ELR20J 10 kO R204 7010003530 Resistor R₂05 7010003670 Resistor ELR20J 120 kQ R206 7010003670 Resistor ELR20J 120 kΩ Resistor R207 7010003530 ELR20J 10 kΩ R209 7010003400 Resistor ELR20J 1 kQ R210 7010003400 Resistor ELR20J 1 kΩ 7010003530 Resistor ELR20J 10 kΩ R212

[LOGIC UNIT]

REF.	ORDER		
NO.	NO.	"	DESCRIPTION
R213	7010003530	Resistor	ELR20J 10 kΩ
R214	7010003530 7010003620	Resistor	ELR20J 10 kΩ
R215 R216	7010003520	Resistor Resistor	ELR20J 47 kΩ ELR20J 10 kΩ
R217	7010003530	Resistor	ELR20J 10 kΩ
R218	7010003530	Resistor	ELR20J 10 kΩ
R219	7010003530	Resistor	ELR20J 10 kΩ
C1	4010000500	Ceramic	DD104 B 102K 50V
C2 C3	4530000030 4530000030		B5RC0124-32N B5RC0124-32N
C4	4530000030		B5RC0124-32N
C5	4530000030		B5RC0124-32N
C6 C7	4530000190 4530000190		B7ZC0716-32N B7ZC0716-32N
C8	4530000030		B5RC0124-32N
C9	4530000190		B7ZC0716-32N
C10 C11	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C12	4010000500	Ceramic	DD104 B 102K 50V
C13	4010000500	Ceramic	DD104 B 102K 50V
C14 C15	4530000190 4530000190		B7ZC0716-32N B7ZC0716-32N
C18	4530000190		B7ZC0716-32N
C17	4010000500	Ceramic	DD104 B 102K 50V
C18 C19	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C20	4010000500	Ceramic	DD104 B 102K 50V
C21	4010000500	Ceramic	DD104 B 102K 50V
C22 C23	4010000500	Ceramic	DD104 B 102K 50V
C23	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V
C25	4010000500	Ceramic	DD104 B 102K 50V
C26	4530000030		B5RC0124-32N
C27 C28	4010000260 4010000180	Ceramic Ceramic	DD104 SL 470J 50V DD104 SL 220J 50V
C29	4010000180	Ceramic	DD104 SL 220J 50V
C30	4510003880	Electrolytic	10 MV 47 HW
C33 C34	4510003800 4010000500	Electrolytic Ceramic	25 MV 4R7 SW DD104 B 102K 50V
C35	4010000500	Ceramic	DD104 B 102K 50V
C36 C42	4010000500 4010004840	Ceramic Ceramic	DD104 B 102K 50V DD305 F 104Z 12V
C42	4010004840	Ceramic	DD305 F 104Z 12V
C44	4010000180	Ceramic	DD104 SL 220J 50V
C45 C48	4010000180 4550000380	Ceramic Tantalum	DD104 SL 220J 50V DN 1A 100M
C49	4310000120	Mylar	F2D 50V 473K
C50	4010000500	Ceramic	DD104 B 102K 50V
C51 C52	4010004120 4010004120	Ceramic Ceramic	DD07 B 102K 500V DD07 B 102K 500V
C53	4010000500	Ceramic	DD104 B 102K 50V
C54	4010000500	Ceramic	DD104 B 102K 50V
C55 C56	4010000500 4530000030	Ceramic Canacitor Array	DD104 B 102K 50V B5RC0124-32N
C57	4010000500	Ceramic	DD104 B 102K 50V
C58	4530000030		B5RC0124-32N
C59 C60	4010000500 4510003950	Ceramic Electrolytic	DD104 B 102K 50V 50 MV R47 HW
C61	4010003830	Ceramic	DD305 F 104Z 12V
C62	4010004840	Ceramic	DD305 F 104Z 12V
C63 C64	4010004840 4010004840	Ceramic Ceramic	DD305 F 104Z 12V DD305 F 104Z 12V
C65	4010004840	Ceramic	DD305 F 104Z 12V
C66	4010004840	Ceramic	DD305 F 104Z 12V
C67 C68	4010004840 4010004840	Ceramic Ceramic	DD305 F 104Z 12V DD305 F 104Z 12V
C69	4010004840	Ceramic Ceramic	DD305 F 104Z 12V
C70	4010004840	Ceramic	DD305 F 104Z 12V
C71 C72	4010004840 4010004840	Ceramic Ceramic	DD305 F 104Z 12V DD305 F 104Z 12V
C72	4010004840	Ceramic Ceramic	DD305 F 104Z 12V
C74	4010004840	Ceramic	DD305 F 104Z 12V
C75 C78	4010004840 4010004840	Ceramic Ceramic	DD305 F 104Z 12V DD305 F 104Z 12V
C77	4010004840	Ceramic Ceramic	DD305 F 104Z 12V DD305 F 104Z 12V
C78	4010004840	Ceramic	DD305 F 104Z 12V

[LOGIC UNIT]

REF.	ORDER		
NO.	NO.	(DESCRIPTION
C79	4010004840	Ceramic	DD305 F 104Z 12V
C80	4010004840	Ceramic	DD305 F 104Z 12V
C81	4010004840	Ceramic	DD305 F 104Z 12V
C82	4010004840	Ceramic	DD305 F 104Z 12V
C83	4010004840	Ceramic	DD305 F 104Z 12V
C84	4010004840	Ceramic	DD305 F 104Z 12V
C85	4010004840	Ceramic	DD305 F 104Z 12V
C86	4010004840	Ceramic	DD305 F 104Z 12V
C87	4010004840	Ceramic	DD305 F 104Z 12V
C88	4010004840	Ceramic	DD305 F 104Z 12V
C89	4040000260		UZE 08X 104M
C90	4010004840	Ceramic	DD305 F 104Z 12V
C91	4040000260	Barrier Layer	UZE 08X 104M
C92	4010004840	Ceramic	DD305 F 104Z 12V
C94	4010000500	Ceramic	DD104 B 102K 50V
C95	4010000500	Ceramic	DD104 B 102K 50V
C96	4010004840	Ceramic	DD305 F 104Z 12V
C97	4010004840	Ceramic	DD305 F 104Z 12V
C99	4530000030		B5RC0124-32N DD104 B 102K 50V
C100	4010000500	Ceramic	DD104 B 102K 50V
C101	4010000500	Ceramic	DD104 B 102K 50V
C102 C104	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V
	4010000500	Ceramic	DD104 B 102K 50V
C105 C108	4510003920	Electrolytic	16 MV 100 HW
C110	4510003920	Electrolytic	16 MV 100 HW
C111	4510003980	Electrolytic	10 MV 100 HWS (5X11)
C112	4010003860	Ceramic	DD305 F 104Z 12V
C114	4010000500	Ceramic	DD104 B 102K 50V
C115	4010000500	Ceramic	DD104 B 102K 50V
01,13	4010000000	Ceramic	DD 104 D 102K 304
S1	2220000420	Switch	ESD11H120
S3	2220000420	Switch	ESD11H120
S4	2220000420	Switch	ESD11H120
SO1	6510008370	Switch	BBH-1
SO2	2610000200	Socket	ICC05-028 360T
SO1	6510008370	Switch	BBH-1
S02	2610000200	Socket	ICC05-028 360T
BT1	3020000110	Lithium Battery	CR2032
EP1	0910024114	P.C. Board	B 2262D (LOGIC)

[MAIN UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110001310	IC	μ PC577HA
IC2	1110001930	IC	M5215TL
IC3	1110001320	IC	μPC1037HA
IC4	1110000290	IC	BA618
IC5	1110000830	IC	MC3357P
IC6	1110001310	IC	μ PC577HA
IC7	1110001320	IC	μPC1037HA
IC8	1130003900	IC	GD4066B
IC9	1130003900	IC	GD4066B
IC10	1110002500	IC	M5218AL
IC11	1110000630	IC	MC3357P
IC12	1110001310	IC	μ P C577 HA
IC13	1110001320	IC	μ P C1037HA
IC14	1110000290	IC	BA618
IC15	1130003900	IC	GD4066B
IC16	1110002080	IC	M51131L
IC17	1110001980	IC	TA8207K
IC18	1110002030	IC	TA7808S
IC19	1110000240	IC	BA222-V
IC20	1110001320	IC	μPC1037HA
IC21	1110001320	IC	μ PC1037HA

[MAIN UNIT]

[MAIN U	וואין		
REF. NO.	ORDER NO.		DESCRIPTION
IC22	1110001310	IC	μ PC577HA
IC23	1180000580	ic	TA78DL10P
Q1	1580000110	FET	3SK74 M
Q2 Q3	1530000591 1590000360	Transistor Transistor	2SC2785 EL RN2202
Q3 Q4	1560000080	FET	2SK192A-Y
Q5	1510000070	Transistor	2SA1048-Y
Q6 Q7	1530000591 1530000591	Transistor Transistor	2SC2785 EL 2SC2785 EL
Q8	1590000380	Transistor	RN2202
Q9	1530000591	Transistor	2SC2785 EL
Q10 Q11	1530000591 1580000110	Transistor FET	2SC2785 EL 3SK74 M
Q12	1530000591	Transistor	2SC2785 EL
Q13	1530000591	Transistor	2SC2785 EL
Q14 Q15	1590000350 1590000350	Transistor Transistor	RN1204 RN1204
Q16	1590000350	Transistor	RN1204
Q17	1590000350	Transistor	RN1204
Q18 Q19	1590000350 1590000370	Transistor Transistor	RN1204 RN2204
Q20	1530000591	Transistor	2SC2785 EL
Q21	1590000310 1530000150	FET Transistor	2SJ105-GR 2SC2668-O
Q22 Q23	1580000110	FET	3SK74 M
Q24	1580000110	FET	3SK74 M
Q25	1590000350	Transistor	RN1204
Q26 Q27	1590000350 1590000350	Transistor Transistor	RN1204 RN1204
Q28	1590000350	Transistor	RN1204
Q29 Q30	1590000360 1590000340	Transistor Transistor	RN2202 RN1202
Q31	1590000350	Transistor	RN1204
Q32	1590000350	Transistor	RN1204
Q33 Q34	1530002650 1530002650	Transistor Transistor	2SC1384-R 2SC1384-R
Q35	1590000350	Transistor	RN1204
Q36	1590000350	Transistor	RN1204
Q37 Q38	1590000350 1590000350	Transistor Transistor	RN1204 RN1204
Q39	1590000310	FET	2SJ105-GR
Q40 Q41	1590000350 1530000591	Transistor Transistor	RN1204 2SC2785 EL
Q42	1590000310	FET	2SJ105-GR
Q43	1530000591	Transistor	2SC2785 EL
Q44 Q45	1590000360 1530000591	Transistor Transistor	RN2202 2SC2785 EL
Q46	1530000591	Transistor	2SC2785 EL
Q47	1580000110	FET	3SK74 M
Q48 Q49	1580000110 1590000350	FET Transistor	3SK74 M RN1204
Q50	1590000350	Transistor	RN1204
Q51 Q52	1580000110 1590000350	FET Transistor	3SK74 M RN1204
Q53	1590000350	Transistor	RN1204
Q54	1590000340	Transistor	RN1202
Q55 Q56	1590000350 1590000360	Transistor Transistor	RN1204 RN2202
Q57	1590000350	Transistor	RN1204
Q58	1590000350	Transistor	RN1204
Q59 Q60	1530000591 1530000591	Transistor Transistor	2SC2785 EL 2SC2785 EL
Q61	1530000591	Transistor	2SC2785 EL
Q82	1530000591	Transistor	2SC2785 EL
Q63 Q64	1590000310 1590000310	FET FET	2SJ105-GR 2SJ105-GR
Q65	1590000350	Transistor	RN1204
Q66 Q67	1530000591 1530000591	Transistor Transistor	2SC2785 EL 2SC2785 EL
Q68	1530000591	Transistor	2SC2785 EL 2SC2785 EL
Q69	1590000350	Transistor	RN1204
Q71 Q72	1530000591 1530000591	Transistor Transistor	2SC2785 EL 2SC2785 EL
Q73	1590000350	Transistor	RN1204
Q74 Q75	1530000591 1530000591	Transistor Transistor	2SC2785 EL 2SC2785 EL
4/5	1930000381	Transistor	2302183 EL

[MAIN UNIT]

Color	REF. NO.	ORDER NO.		DESCRIPTION
Q79 151000070 Transistor 2SA1048-Y Q80 1530000591 Transistor 2SC2785 EL Q81 1590000300 Transistor RN2202 Q82 1590000340 Transistor RN1202 Q83 1590000340 Transistor RN1202 Q84 1590000340 Transistor RN1202 Q87 1590000310 RR RN1202 Q81 1590000310 RR RN1202 Q82 1590000310 RR RN1202 Q82 1590000350 Transistor RN1204 Q85 1590000350 Transistor RN1204 Q86 1590000350 Transistor RN1204 Q97 1530000110 Transistor RN1204 Q101 1590000350 Transistor RN1204 Q102 1590000350 Transistor RN1204 Q103 1590000350 Transistor RN1204 Q104 1590000350 Transistor RN1204	Q76	1590000350	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
153000591	1			
1530000591				
Description				
Cast				
1590000340				2SA1048-Y
CEUR-Hy, (USA-Hy)	Q83	1590000340	Transistor	RN1202
Aus.H),(SWE-H)	Q86	1590000340	Transistor	
1590000340 Transistor				
CEUR-H), (USA-H), (AUS-H), (087	1500000340	Transistor	
Cap	🐃	13300000	11011515151	
Q92				(AUS-H),(SWE-H)
Q83	Q91	1590000310		
Q85				
Q86	1			
1530000110		1		
Q99		1		
Color				RN1204
Color	Q100	1590000350	Transistor	RN1204
Color	Q101			
Color			.,	
D1				
D1				
D2	4.03	1320000370	11011010101	1112254
D2	١,,	1710000050	Diada	10052
D3		· ·		
D4 1710000050 Diode 1SS53 D5 1710000050 Diode 1SS53 D6 1710000050 Diode 1SS53 D7 1710000050 Diode 1SS53 D8 1710000050 Diode 1SS53 D9 1710000050 Diode 1SS53 D10 1710000160 Diode 1SS53 D11 1710000160 Diode 1SS133 D12 1710000160 Diode 1SS133 D13 1710000160 Diode 1SS133 D14 1710000330 Diode 1K60 D15 1710000330 Diode 1K80 D15 1710000300 Varicap 1SV50(1)E D17 1710000050 Diode 1SS53 D18 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53				
D8 171000050 Diode 1SS53 D7 171000050 Diode 1SS53 D8 171000050 Diode 1SS53 D9 171000050 Diode 1SS53 D10 1710000160 Diode 1SS53 D11 1710000180 Diode 1SS133 D13 1710000180 Diode 1SS133 D14 1710000330 Diode 1K80 D15 1710000330 Diode 1K80 D15 171000030 Diode 1SS53 D18 1720000060 Varicap 1SV50(1)E D17 171000050 Diode 1SS53 D18 171000050 Diode 1SS53 D19 171000050 Diode 1SS53 D20 171000050 Diode 1SS53 D21 171000050 Diode 1SS53 D22 171000050 Diode 1SS53 D23 171000050 Diode 1SS53	1	1	Diode	1\$\$53
D7 171000050 Diode 1SS53 D8 171000050 Diode 1SS53 D9 171000050 Diode 1SS53 D10 171000050 Diode 1SS53 D11 1710000160 Diode 1SS133 D12 1710000160 Diode 1SS133 D13 1710000330 Diode 1K60 D15 1710000330 Diode 1K80 D16 172000080 Varicap 1SV50(1)E D17 171000050 Diode 1SS53 D18 171000050 Diode 1SS53 D20 171000050 Diode 1SS53 D21 171000050 Diode 1SS53 D22 171000050 Diode 1SS53 D23 171000050 Diode 1SS53 D24 171000050 Diode 1SS53 D25 171000050 Diode 1SS53 D26 1710000160 Diode 1SS133	D5	1710000050	Diode	18853
D8 1710000050 Diode 1SS53 D9 1710000050 Diode 1SS53 D10 1710000050 Diode 1SS53 D11 1710000180 Diode 1SS53 D12 1710000180 Diode 1SS133 D13 1710000330 Diode 1K60 D15 1710000330 Diode 1K60 D16 1720000080 Varicap 1SV50(1)E D17 171000050 Diode 1SS53 D18 171000050 Diode 1SS53 D20 171000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000050 Diode 1SS133	I		_ : : : : :	*
D9				
D10				
D11				
D13			Diode	18853
D14 1710000330 Diode 1K60 D15 1710000330 Diode 1K60 D16 1720000060 Varicap 1SV50(1)E D17 1710000050 Diode 1SS53 D18 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000160 Diode 1SS53 D27 1710000160 Diode 1SS53 D28 1710000160 Diode 1SS53 D29 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS53 </td <td></td> <td></td> <td></td> <td></td>				
D15 1710000330 Diode 1K60 D16 1720000080 Varicap 1SV50(1)E D17 1710000050 Diode 1SS53 D18 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000160 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D33 1710000160 Diode 1SS53 D34 1710000160 Diode 1SS5				
D16 1720000080 Varicap 1SV50(1)E D17 1710000050 Diode 1SS53 D18 1710000050 Diode 1SS53 D19 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000050 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 1710000160 Diode 1SS53 D34 1710000160 Diode 1S				
D17 1710000050 Diode 1SS53 D18 171000050 Diode 1SS53 D19 1710000050 Diode 1SS53 D20 1710000050 Diode 1SS53 D21 1710000050 Diode 1SS53 D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000160 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 1710000160 Diode 1SS53 D34 1710000160 Diode 1SS133 D35 1710000160 Diode 1SS133 </td <td></td> <td></td> <td></td> <td></td>				
D19				
D20 171000050 Diode 1SS53 D21 171000050 Diode 1SS53 D22 171000050 Diode 1SS53 D23 171000050 Diode 1SS53 D24 171000050 Diode 1SS53 D25 171000050 Diode 1SS53 D26 1710000180 Diode 1SS53 D27 1710000180 Diode 1SS133 D28 1710000180 Diode 1SS133 D29 1710000180 Diode 1SS133 D30 1710000180 Diode 1SS133 D31 1710000180 Diode 1SS133 D33 1710000180 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000180 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS237 <td>D18</td> <td>1710000050</td> <td>Diode</td> <td>18853</td>	D18	1710000050	Diode	18853
D21 171000050 Diode 1SS53 D22 171000050 Diode 1SS53 D23 171000050 Diode 1SS53 D24 171000050 Diode 1SS53 D25 171000050 Diode 1SS53 D26 1710000160 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000050 Diode 1SS53 D36 1710000160 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 <td></td> <td></td> <td></td> <td></td>				
D22 1710000050 Diode 1SS53 D23 1710000050 Diode 1SS53 D24 171000050 Diode 1SS53 D25 171000050 Diode 1SS53 D26 1710000180 Diode 1SS53 D27 1710000180 Diode 1SS133 D28 1710000180 Diode 1SS133 D29 1710000180 Diode 1SS133 D30 1710000180 Diode 1SS133 D31 1710000180 Diode 1SS133 D32 1710000180 Diode 1SS53 D34 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000180 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS237 D41 1790000070 Diode 1SS2		,	-	
D23 171000050 Diode 1SS53 D24 171000050 Diode 1SS53 D25 171000050 Diode 1SS53 D26 171000050 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS53 D34 171000050 Diode 1SS53 D35 171000050 Diode 1SS53 D36 1710000160 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 171000050 Diode 1SS53 D39 1710000050 Diode 1SS237 D40 179000070 Diode 1SS237 D41 179000070 Diode 1SS237 <td></td> <td></td> <td></td> <td></td>				
D24 1710000050 Diode 1SS53 D25 1710000050 Diode 1SS53 D26 1710000160 Diode 1SS53 D27 1710000160 Diode 1SS133 D28 1710000160 Diode 1SS133 D29 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS53 D34 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000160 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS237 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D43 179000070 Diode 1S				
D26 171000050 Diode 1SS53 D27 1710000180 Diode 1SS133 D28 1710000180 Diode 1SS133 D29 1710000180 Diode 1SS133 D30 1710000180 Diode 1SS133 D31 1710000180 Diode 1SS133 D32 1710000180 Diode 1SS53 D33 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000050 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 179000070 Diode 1SS237 D44 1710000180 Diode 1S				
D27 1710000180 Diode 1SS133 D28 171000050 Diode 1SS53 D29 1710000180 Diode 1SS133 D30 1710000180 Diode 1SS133 D31 1710000180 Diode 1SS133 D32 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000050 Diode 1SS53 D36 1710000180 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 179000070 Diode 1SS237 D44 1710000180 Diode 1SS33 D45 1720000120 Varicap F	D25			
D28 171000050 Diode 1SS53 D29 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000050 Diode 1SS53 D36 1710000160 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS53 D45 1720000120 Varicap FC52M D45 1710000160 Diode 1SS133 D47 1710000160 Diode 1				
D29 1710000160 Diode 1SS133 D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 1710000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000160 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 171000050 Diode 1SS53 D39 171000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS33 D44 1710000150 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1	i			* *
D30 1710000160 Diode 1SS133 D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 171000050 Diode 1SS53 D34 1710000050 Diode 1SS53 D35 1710000160 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS33 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000160 Diode 1SS133				
D31 1710000160 Diode 1SS133 D32 1710000160 Diode 1SS133 D33 171000050 Diode 1SS53 D34 171000050 Diode 1SS53 D35 1710000150 Diode 1SS53 D36 1710000180 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS33 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000160 Diode 1SS133				
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D34 1710000050 Diode 1SS53 D35 171000050 Diode 1SS53 D36 1710000180 Diode 1SS133 D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 1790000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000150 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000180 Diode 1SS133				
D35 171000050 Diode 1SS53 D36 171000180 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 171000050 Diode 1SS53 D39 171000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000160 Diode 1SS133				
D36 171000180 Diode 1SS133 D37 1730000120 Zener RD6.2E B2 D38 171000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D48 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000160 Diode 1SS133	1			
D37 1730000120 Zener RD8.2E B2 D38 1710000050 Diode 1SS53 D39 1710000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000160 Diode 1SS133	E .			
D38 171000050 Diode 1SS53 D39 171000050 Diode 1SS53 D40 179000070 Diode 1SS237 D41 179000070 Diode 1SS237 D42 179000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000180 Diode 1SS133				
D40 179000070 Diode 1SS237 D41 179000070 Diode 1SS237 D42 179000070 Diode 1SS237 D43 179000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000160 Diode 1SS133 D47 1710000160 Diode 1SS133 D48 1710000180 Diode 1SS133				
D41 1790000070 Diode 1SS237 D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 171000050 Diode 1SS53 D45 1720000120 Varicap FC52M D48 1710000160 Diode 1SS133 D48 1710000180 Diode 1SS133 D48 1710000180 Diode 1SS133			-	
D42 1790000070 Diode 1SS237 D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000180 Diode 1SS133 D47 1710000180 Diode 1SS133 D48 1710000180 Diode 1SS133				
D43 1790000070 Diode 1SS237 D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000180 Diode 1SS133 D47 1710000180 Diode 1SS133 D48 1710000180 Diode 1SS133				
D44 1710000050 Diode 1SS53 D45 1720000120 Varicap FC52M D46 1710000180 Diode 1SS133 D47 1710000180 Diode 1SS133 D48 1710000180 Diode 1SS133				
D48 1710000180 Diode 1SS133 D47 1710000180 Diode 1SS133 D48 1710000180 Diode 1SS133 1SS133 1SS133 1SS133				
D47 1710000160 Diode 1SS133 D48 1710000180 Diode 1SS133				
D48 1710000160 Diode 1SS133	1			

[MAIN UNIT]

MAIN UNIT]			
REF. NO.	ORDER NO.		DESCRIPTION
D50	1710000160	Diode	188133
D51	1710000160	Diode Diode	1\$\$133 1\$\$133
D52 D53	1710000160 1710000160	Diode	1S\$133
D54	1710000160	Diode	188133
D55	1710000160	Diode	188133
D56	1710000160	Diode	188133
D57 D58	1710000160 1710000160	Diode Diode	1\$\$133 1\$\$133
D59	1710000180	Diode	188133
D60	1710000180	Diode	188133
D61	1710000160	Diode	188133
D62	1710000160	Diode	1SS133 RD3.9E B2
D63 D64	1730000070 1730000120	Zener Zener	RD6.2E B2
D65	1790000070	Diode	188237
D66	1790000070	Diode	188237
D67	1710000050	Diode	1\$\$53
D68	1710000050	Diode	18853
D69 D70	1790000070 1790000070	Diode Diode	1SS237 1SS237
D72	1710000050	Diode	18853
D73	1710000050	Diode	1\$\$53
D74	1710000050	Diode	18853
D75	1710000050	Diode	18853
D76 D77	1710000050 1710000050	Diode Diode	1SS53 1SS53
D78	1710000050	Diode	18853
D79	1710000050	Diode	1SS53
D80	1710000050	Diode	1\$\$53
D81	1710000160	Diode	1\$\$133
D82	1710000050	Diode	1SS53 1SS53
D83 D84	1710000050 1710000160	Diode Diode	1SS133
D85	1710000180	Diode	188133
D86	1710000180	Diode	188133
D87	1710000160	Diode	188133
D88	1710000160	Diode	1SS133
D89 D90	1710000160	Diode Diode	1\$\$133 1\$\$133
D91	1710000160	Diode	188133
D92	1710000180	Diode	188133
D93	1710000160	Diode	188133
D94	1790000070	Diode	1SS237
D95 D96	1730000100 1710000160	Zener Diode	RD5.1E B2 1SS133
D97	1710000160	Diode	15\$133
D98	1710000180	Diode	188133
D99	1710000330	Diode	1K80
D100	1710000330	Diode	1K60
D101 D102	1710000160 1710000160	Diode Diode	1SS133 1SS133
D102	1710000160	Diode	188133
D104	1710000050	Diode	18853
D108	1710000160	Diode	188133
D107	1710000160	Diode	18\$133
D108 D109	1710000050 1710000050	Diode Diode	1\$\$53 1\$\$53
D109	1710000050	Diode	18853
D111	1710000050	Diode	18853
D112	1710000050	Diode	18853
D113	1710000050	Diode	1SS53
D114	1710000050	Diode	1SS53 1SS53
D115 D116	1710000050 1710000160	Diode Diode	15533
D117	1710000050	Diode	18853
			(EUR-H),(USA-H),
			(AUS-H),(SWE-H)
D118	1710000050	Diode	1\$\$53 (EUD II) (USA II)
			(EUR-H),(USA-H), (AUS-H),(SWE-H)
D119	1710000050	Diode	18853
D120	1710000050	Diode	18853
D122	1710000050	Diode	18853
D123	1710000050	Diode	18853
D124 D125	1710000050 1710000050	Diode Diode	1SS53 1SS53
D125	1710000180	Diode	188133

[MAIN UNIT]			
REF. NO.	ORDER NO.		DESCRIPTION
D127	1710000160	Diode	1SS133
D128	1710000160	Diode	188133
D129	1710000160	Diode	1SS133
D130	1710000160	Diode	1SS133 1SS133
D132 D133	1710000160 1710000160	Diode Diode	1\$\$133 1\$\$133
D133	1710000160	Diode	1SS133
D135	1710000160	Diode	188133
D136	1710000160	Diode	1SS133
D137	1710000160	Diode	1SS133
X1	6050006440	Crystal	CR-297
X2	6050006430	Crystal	CR-296
Х3	8050008450	Crystal	CR-298
X4	8050008440	Crystal	CR-297
X5 X8	8050006470 8070000010	Crystal Discriminator	CR-301 CDB455C7A
X7	6050006460	Crystal	CR-299
""		, , , , , , , , , , , , , , , , , , , ,	
FI1	2010001080	Filter Filter	10M22D6 (FL-128) 10M15BB (FL-142)
FI2 FI3	2030000030	Ceramic Filter	KBF-455R-15A
FI4	2030000030	Ceramic Filter	KBF-455R-15A
FI5	2010001090	Filter	10M22D7 (FL-129)
FI6	2010001130	Filter	10M15BC (FL-143)
L ₁	6150000470	Coil	LS-66A
L2	6150000470	Coil	LS-66A
L3	6180000900	Coil	LAL 03NA 101K
L4	6150000470	Coil	LS-66A
L5	6150000470 6180000880	Coil Coil	LS-86A LAL 03NA 100K
L6 L7	6180000900	Coil	LAL 03NA 101K
L8	6180000880	Coil	LAL 03NA 100K
L9	6180000260	Coil	LB4-100J
L10	6150002040	Coil	LS-258
L11	6150002990	Coil Coil	LS-310 LS-310
L12 L13	6150002990 6150002890	Coil	LS-303
L14	6150002890	Coil	LS-303
L15	6150000470	Coil	LS-66A
L16	6180000900	Coil	LAL 03NA 101K
L17 L18	6180000880 6180000900	Coil Coil	LAL 03NA 100K LAL 03NA 101K
L19	6180000900	Coil	LAL 03NA 101K
L20	6150001360	Coil	LS-150A
L21	6150001350	Coil	LS-149A
L22	6180000690	Coil	LAL 03NA R22M
L23 L24	6150001060 6180001710	Coil Coil	LS-121 LAL 03NA 561K
L25	6150001070	Coil	LS-121A
L26	6180000900	Coil	LAL 03NA 101K
L27	6180000950	Coil	LAL 03NA 150K
L28	6150002960	Coil	LS-307
L29 L30	6150002990 6150000470	Coil Coil	LS-310 LS-86A
L31	6180000900	Coil	LAL 03NA 101K
L32	6910000670	Coil	BT01RN1-A61-001
L33	6180001710	Coil	LAL 03NA 561K
L34 L35	6150001070 6180000900	Coil Coil	LS-121A LAL 03NA 101K
L36	6150001360	Coil	LS-150A
L37	6180000690	Coil	LAL 03NA R22M
L38	6150002960	Coil	LS-307
L39 L40	6150002990 6150000470	Coil Coil	LS-310 LS-66A
L40 L41	6180000900	Coil	LAL 03NA 101K
L42	6150002990	Coil	LS-310
L43	6150002990	Coil	LS-310
L44 L45	6150002890 6150000470	Coil Coil	LS-303 LS-66A
L45	6170000140	Coil	LW-15
L47	6180000900	Coil	LAL 03NA 101K
L48	6180000900	Coil	LAL 03NA 101K
L49	6180000900	Coil	LAL 03NA 101K

REF. NO.	ORDER NO.	_	DESCRIPTION
L50	6910000670	Coil	BT01RN1-A61-001
L51	6150002540	Coil	LS-282
L52 L53	6180000900 6180000900	Coil Coil	LAL 03NA 101K LAL 03NA 101K
L54	6180000900	Coil	LAL 03NA 101K
L55	6180000900	Coil	LAL 03NA 101K
L56 L57	6180000900 6180000900	Coil Coil	LAL 03NA 101K LAL 03NA 101K
L57	6180001710	Coil	LAL 03NA 561K
L59	6180000900	Coil	LAL 03NA 101K
L60	6180000960 6180000960	Coil Coil	LAL 03NA 102K LAL 03NA 102K
L61 L62	6180000950	Coil	LAL 03NA 150K
L63	6150000470	Coil	LS-66A
L64 L65	6150000470 6150002890	Coil Coil	LS-66A LS-303
L66	6180000900	Coil	LAL 03NA 101K
R1	7010003440	Resistor	ELR20J 2.2 kΩ
R2	7310003170	Trimmer	EVN-2ACA00 B53 (502)
R3	7010004070	Resistor Thermistor	R20J 100 Ω ERT-D2ZGL251S
R4 R5	7510000230 7010003200	Resistor	ELR20J 22 Ω
R6	7010003330	Resistor	ELR20J 270 Ω
R7	7010003740	Resistor	ELR20J 470 kΩ
R8 R9	7010003740 7010004270	Resistor Resistor	ELR20J 470 kΩ R20J 4.7 kΩ
R10	7010004270	Resistor	R20J 4.7 kΩ
R11	7010003320	Resistor	ELR20J 220 Ω
R12 R13	7010003480 7010001230	Resistor Resistor	ELR20J 4.7 kΩ R25XJ 4.7 kΩ
R14	7010004190	Resistor	R20J 1 kΩ
R15	7010001030	Resistor	R25XJ 100 Ω
R16 R17	7010004210 7010003440	Resistor Resistor	R20J 1.5 kΩ ELR20J 2.2 kΩ
R18	7010004070	Resistor	R20J 100 Ω
R19	7010004320	Resistor	R20J 10 kΩ
R20 R21	7010003480 7010004190	Resistor Resistor	ELR20J 4.7 kΩ R20J 1 kΩ
R22	7010001030	Resistor	R25XJ 100 Ω
R23	7010003440	Resistor Resistor	ELR20J 2.2 kΩ R20J 1.5 kΩ
R24 R25	7010004210 7010004320	Resistor	R20J 1.5 kΩ
R26	7010003580	Resistor	ELR20J 22 kΩ
R27 R28	7010004270 7310003210	Resistor Trimmer	R20J 4.7 kΩ EVN-2ACA00 B54 (503)
R29	7010003210	Resistor	ELR20J 100 Ω
R30	7310003170	Trimmer	EVN-2ACA00 B53 (502)
R31 R32	7010003680 7010004070	Resistor Resistor	ELR20J 100 kΩ R20J 100 Ω
R32	7010004070	Resistor	ELR20J 4.7 kΩ
R34	7010003660	Resistor	ELR20J 100 kΩ
R35 R36	7010003280 7010003740	Resistor Resistor	ELR20J 100 Ω ELR20J 470 kΩ
R37	7010003740	Resistor	ELR20J 47 kΩ
R38	7010003530	Resistor	ELR20J 10 kΩ
R39 R40	7010004090 7010003490	Resistor Resistor	R20J 150 Ω ELR20J 5.6 kΩ
R41	7010003490	Resistor	ELR20J 470 Ω
R42	7010004070	Resistor	R20J 100 Ω
R43 R44	7010003480 7310003160	Resistor Trimmer	ELR20J 4.7 kΩ EVN-2ACA00 B13 (102)
R45	7010003160	Resistor	R20J 470 Ω
R46	7010003400	Resistor	ELR20J 1 kΩ
R47 R48	7010003580 7010003590	Resistor Resistor	ELR20J 22 kΩ ELR20J 27 kΩ
R49	7010003580	Resistor	ELR20J 27 kΩ ELR20J 22 kΩ
R50	7010003440	Resistor	ELR20J 2.2 kΩ
R51 R52	7010003620 7010003740	Resistor Resistor	ELR20J 47 kΩ ELR20J 470 kΩ
R52	7010003740	Resistor	ELR20J 4.7 kΩ ELR20J 4.7 kΩ
R54	7010003590	Resistor	ELR20J 27 kΩ
R55 R56	7510000310 7010003540	Thermistor Resistor	ERT-D2ZHL802S ELR20J 12 kΩ
R57	7010003540	Resistor	R20J 4.7 kΩ
R58	7010003280	Resistor	ELR20J 100 Ω
R59	7010003400	Resistor	ELR20J 1 kΩ

REF. NO.	ORDER NO.		DESCRIPTION
R60	7010003720	Resistor	ELR20J 330 kΩ
R61	7010003620 7010003610	Resistor Resistor	ELR20J 47 kΩ ELR20J 39 kΩ
R62 R63	7310003210	Trimmer	EVN-2ACA00 B54 (503)
R64	7010003620	Resistor	ELR20J 47 kQ
R65	7310003210	Trimmer	EVN-2ACA00 B54 (503)
R68 R69	7010003440 7010003440	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 2.2 kΩ
R70	7010001190	Resistor	R25XJ 2.2 kΩ
R71	7010004230	Resistor	R20J 2.2 kQ
R72 R73	7010004230 7010003320	Resistor Resistor	R20J 2.2 kΩ ELR20J 220 Ω
R74	7010004030	Resistor	R20J 47 Q
R75	7010003400	Resistor	ELR20J 1 kΩ
R76	7010003740 7010003530	Resistor Resistor	ELR20J 470 kΩ ELR20J 10 kΩ
R78	75100003300	Thermistor	ERT-D2ZGL801S
R79	7010003310	Resistor	ELR20J 180 Ω
R80	7010004110 7010003480	Resistor Resistor	R20J 220 Ω ELR20J 4.7 kΩ
R81 R82	7010003480	Resistor	R20J 4.7 kQ
R83	7010003440	Resistor	ELR20J 2.2 kΩ
R84	7010003700	Resistor	ELR20J 220 kΩ EVN-24 C400 B14 (103)
R85 R86	7310003200 7010004490	Trimmer Resistor	EVN-2ACA00 B14 (103) R20J 220 kΩ
R87	7310003200	Trimmer	EVN-2ACA00 B14 (103)
R88	7010003280	Resistor	ELR20J 100 Ω
R89 R90	7010003440 7010003280	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 100 Ω
R91	7010003660	Resistor	ELR20J 100 kΩ
R92	7010004230	Resistor	R20J 2.2 kΩ
R93 R94	7010003620 7010004230	Resistor Resistor	ELR20J 47 kΩ R20J 2.2 kΩ
R95	7010003530	Resistor	ELR20J 10 kΩ
R96	7010003580	Resistor	ELR20J 22 kΩ
R97 R98	7010004370 7010004270	Resistor Resistor	R20J 22 kQ R20J 4.7 kQ
R99	7010003460	Resistor	ELR20J 3.3 kΩ
R100	7010003480	Resistor	ELR20J 4.7 kΩ
R101 R102	7010004270 7010004230	Resistor Resistor	R20J 4.7 kΩ R20J 2.2 kΩ
R102	7010004230	Resistor	ELR20J 2.2 kΩ
R104	7310003200	Trimmer	EVN-2ACA00 B14 (103)
R105 R106	7010003440 7010003530	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 10 kΩ
R107	7010003330	Resistor	R20J 22 kQ
R108	7010003580	Resistor	ELR20J 22 kΩ
R109 R110	7010004330 7010004270	Resistor Resistor	R20J 12 kΩ R20J 4.7 kΩ
R111	7010003780	Resistor	ELR20J 1 MQ
R113	7010003650	Resistor	ELR20J 82 kΩ
R114	7310003200	Trimmer Resistor	EVN-2ACA00 B14 (103) R20J 100 Ω
R115 R116	7010004070 7310003200	Trimmer	EVN-2ACA00 B14 (103)
R117	7310003200	Trimmer	EVN-2ACA00 B14 (103)
R118 R119	7310003190 7010003480	Trimmer Resistor	EVN-2ACA00 B34 (303) ELR20J 4.7 kΩ
R120	7310003480	Trimmer	EVN-2ACA00 B53 (502)
R121	7310003200	Trimmer	EVN-2ACA00 B14 (103)
R122	7010004320 7010004530	Resistor Resistor	R20J 10 kQ R20J 470 kQ
R123 R124	7010004530	Resistor	H20J 470 KΩ ELR20J 39 kΩ
R125	7010003620	Resistor	ELR20J 47 kQ
R126	7010003420 7010004210	Resistor Resistor	ELR20J 1.5 kQ R20J 1.5 kQ
R127 R128	7010004210	Resistor	R20J 1.5 KQ R20J 100 Q
R129	7510000071	Thermistor	ERT-D2ZHL503S
R130	7010004370	Resistor Resistor	R20J 22 kΩ ELR20J 1 kΩ
R131 R132	7010003400 7010003620	Resistor	ELR20J 1 KQ ELR20J 47 kQ
R133	7310003170	Trimmer	EVN-2ACA00 B53 (502)
R134	7010003640	Resistor Resistor	ELR20J 68 kΩ ELR20J 22 kΩ
R135 R136	7010003580 7010003630	Resistor	ELR20J 22 KQ ELR20J 56 kQ
R137	7310003160	Trimmer	EVN-2ACA00 B13 (102)
R138	7310003210	Trimmer Trimmer	EVN-2ACA00 B54 (503) EVN-2ACA00 B16 (105)
R139 R140	7310003220 7010001190	Trimmer Resistor	R25XJ 2.2 kQ

	MAIN UNIT			
REF. NO.	ORDER NO.		DESCRIPTION	
R141	7010003440	Resistor	ELR20J 2.2 kΩ	
R142	7010003740	Resistor	ELR20J 470 kΩ	
R143	7010003360 7010003470	Resistor Resistor	ELR20J 470 Ω ELR20J 3.9 kΩ	
R144 R145	7010003470	Resistor	ELR20J 150 Q	
R146	7010004070	Resistor	R20J 100 Ω	
R147	7010003580	Resistor	ELR20J 22 kΩ	
R148	7510000071	Thermistor	ERT-D2ZHL503S	
R149 R150	7310003180 7010003530	Trimmer Resistor	EVN-2ACA00 B24 (203) ELR20J 10 kQ	
R151	7010003530	Resistor	ELR20J 10 kΩ	
R152	7010003280	Resistor	ELR20J 100 Ω	
R153	7010003460	Resistor	ELR20J 3.3 kΩ	
R154 R155	7010004210 7010003550	Resistor Resistor	R20J 1.5 kΩ ELR20J 15 kΩ	
R156	7010003530	Resistor	ELR20J 10 kΩ	
R157	7310003210	Trimmer	EVN-2ACA00 B54 (503)	
R158	7310003230	Trimmer Resistor	EVN-2ACA00 B15 (104)	
R159 R160	7010004320 7310003200	Trimmer	R20J 10 kΩ EVN-2ACA00 B14 (103)	
R161	7010003530	Resistor	ELR20J 10 kΩ	
R162	7310003200	Trimmer	EVN-2ACA00 B14 (103)	
R163	7010003440	Resistor	ELR20J 2.2 kΩ	
R164 R165	7010004410 7010003820	Resistor Resistor	R20J 47 kΩ ELR20J 47 kΩ	
R166	7010003820	Resistor	ELR20J 47 kQ	
R167	7010004320	Resistor	R20J 10 kΩ	
R168	7010004370	Resistor	R20J 22 kΩ	
R169 R170	7010003620 7010003620	Resistor Resistor	ELR20J 47 kΩ ELR20J 47 kΩ	
R171	7010003620	Resistor	ELR20J 47 kΩ	
R172	7010004410	Resistor	R20J 47 kQ	
R173	7010000090	Resistor	ELR25J 4.7 Ω	
R174 R175	7010000370 7010000090	Resistor Resistor	ELR25J 1 kΩ ELR25J 4.7 Ω	
R176	7010000370	Resistor	ELR25J 1 kQ	
R177	7010003280	Resistor	ELR20J 100 Ω	
R178	7010004400	Resistor	R20J 39 kΩ	
R179	7010004410	Resistor	R20J 47 kQ EVN-2ACA00 B14 (103)	
R180 R181	7310003200 7010003480	Trimmer Resistor	ELR20J 4.7 kΩ	
R182	7010003620	Resistor	ELR20J 47 kΩ	
R183	7010003530	Resistor	ELR20J 10 kΩ	
R184 R186	7010003740 7010003660	Resistor Resistor	ELR20J 470 kΩ ELR20J 100 kΩ	
R187	7010003660	Resistor	ELR20J 100 kΩ	
R188	7010004800	Resistor	R20J 2.2 MQ	
R189	7010003810	Resistor	ELR20J 2.2 MΩ	
R191 R192	7010004320 7010003530	Resistor Resistor	R20J 10 kΩ ELR20J 10 kΩ	
R193	7010003530	Resistor	ELR20J 10 kΩ	
R194	7010003660	Resistor	ELR20J 100 kΩ	
R195	7010003660	Resistor	ELR20J 100 kΩ	
R196 R197	7010003810 7010003810	Resistor Resistor	ELR20J 2.2 MΩ ELR20J 2.2 MΩ	
R198	7010003610	Resistor	ELR20J 10 kΩ	
R199	7010003620	Resistor	ELR20J 47 kΩ	
R200	7010003420	Resistor	ELR20J 1.5 kΩ	
R201 R202	7010003620 7010003420	Resistor Resistor	ELR20J 47 kΩ ELR20J 1.5 kΩ	
R202	7010003420	Resistor	R20J 1.5 kQ	
R204	7010004370	Resistor	R20J 22 kQ	
R205	7010004070	Resistor	R20J 100 Ω	
R206 R207	7510000071 7010003780	Thermistor Resistor	ERT-D2ZHL503S ELR20J 1 MΩ	
R208	7010003750	Resistor	R20J 470 Q	
R209	7010003400	Resistor	ELR20J 1 kΩ	
R210	7010004410	Resistor	R20J 47 kΩ	
R211 R212	7310003170 7010004370	Trimmer Resistor	EVN-2ACA00 B53 (502) R20J 22 kΩ	
R213	7010004370	Resistor	ELR20J 68 kΩ	
R214	7010003830	Resistor	ELR20J 56 kΩ	
R215	7310003160	Trimmer	EVN-2ACA00 B13 (102)	
R216 R217	7310003180 7010001230	Trimmer Resistor	EVN-2ACA00 B24 (203) R25XJ 4.7 kΩ	
R218	7010001230	Resistor	ELR20J 4.7 kΩ	
R219	7010004190	Resistor	R20J 1 kΩ	
R220	7010001030	Resistor	R25XJ 100 Ω	

REF. NO.	ORDER NO.	-	DESCRIPTION
R221	7010003440	Resistor	ELR20J 2.2 kQ
R222	7010004210	Resistor	R20J 1.5 kΩ R20J 100 Ω
R223 R224	7010004070 7010004320	Resistor Resistor	R20J 10 Ω
R225	7010004190	Resistor	R20J 1 kΩ
R226	7010001030	Resistor	R25XJ 100 Ω
R227 R228	7010003440 7010004210	Resistor Resistor	ELR20J 2.2 kΩ R20J 1.5 kΩ
R229	7010004210	Resistor	ELR20J 82 kQ
R230	7010003530	Resistor	ELR20J 10 kΩ
R231	7010003280	Resistor	ELR20J 100 Ω
R232 R233	7010004230 7010003660	Resistor Resistor	R20J 2.2 kΩ ELR20J 100 kΩ
R234	7010003820	Resistor	ELR20J 47 kQ
R235	7010004230	Resistor	R20J 2.2 kQ
R236 R237	7010003580 7010003530	Resistor Resistor	ELR20J 22 kΩ ELR20J 10 kΩ
R238	7010004370	Resistor	R20J 22 kQ
R239	7010004270	Resistor	R20J 4.7 kΩ
R240	7010004270 7010004230	Resistor Resistor	R20J 4.7 kΩ R20J 2.2 kΩ
R241 R242	7010004230	Resistor	R20J 470 Q
R243	7010003470	Resistor	ELR20J 3.9 kΩ
R244	7010003300	Resistor	ELR20J 150 Ω
R245 R246	7010004070 7010003580	Resistor Resistor	R20J 100 Ω ELR20J 22 kΩ
R246	7310003380	Trimmer	EVN-2ACA00 B24 (203)
R248	7510000071	Thermistor	ERT-D2ZHL503S
R249	7010003530	Resistor	ELR20J 10 kΩ R20J 10 kΩ
R250 R251	7010004320 7010003280	Resistor Resistor	R20J 10 kΩ ELR20J 100 Ω
R252	7010003460	Resistor	ELR20J 3.3 kΩ
R253	7010003420	Resistor	ELR20J 1.5 kΩ
R254 R255	7010001300 7010003530	Resistor Resistor	R25XJ 15 kΩ ELR20J 10 kΩ
R256	7310003330	Trimmer	EVN-2ACA00 B16 (105)
R257	7310003220	Trimmer	EVN-2ACA00 B16 (105)
R258	7010004320	Resistor	R20J 10 kΩ R25XJ 10 kΩ
R259 R260	7010001280 7310003200	Resistor Trimmer	EVN-2ACA00 B14 (103)
R261	7010003440	Resistor	ELR20J 2.2 kΩ
R262	7010003740	Resistor	ELR20J 470 kQ
R263 R264	7010001490 7010003530	Resistor Resistor	R25XJ 470 kΩ ELR20J 10 kΩ
R265	7010003310	Resistor	ELR20J 180 Ω
R266	7510000300	Thermistor	ERT-D2ZGL601S
R267 R268	7010003320 7010003530	Resistor Resistor	ELR20J 220 Ω ELR20J 10 kΩ
R269	7010004320	Resistor	R20J 10 kΩ
R270	7010003530	Resistor	ELR20J 10 kΩ
R271 R272	7010004410 7010003620	Resistor Resistor	R20J 47 kΩ ELR20J 47 kO
R272	7010003620	Resistor	ELR20J 47 kΩ ELR20J 47 kΩ
R274	7010003580	Resistor	ELR20J 22 kΩ
R275	7010004230	Resistor	R20J 2.2 kΩ
R276 R277	7010003530 7010003880	Resistor Resistor	ELR20J 10 kΩ ELR20J 100 kΩ
R278	7010003400	Resistor	ELR20J 1 kΩ
R279	7010003660	Resistor	ELR20J 100 kQ
R282 R283	7010003440 7010003530	Resistor Resistor	ELR20J 2.2 kΩ ELR20J 10 kΩ
R283	7010003530	Resistor	ELR20J 10 KQ ELR20J 470 Q
R285	7010004230	Resistor	R20J 2.2 kQ
R286	7010003660	Resistor Resistor	ELR20J 100 kΩ ELR20J 33 kΩ
R287 R288	7010003600 7010003240	Resistor	ELR20J 33 KQ ELR20J 47 Q
R289	7010003240	Resistor	ELR20J 150 kQ
R290	7010004490	Resistor	R20J 220 kΩ
R291 R292	7010004450 7310003210	Resistor Trimmer	R20J 100 kΩ EVN-2ACA00 B54 (503)
R293	7010003210	Resistor	R20J 47 kQ
R294	7010004410	Resistor	R20J 47 kΩ
R295	7010003440	Resistor	ELR20J 2.2 kΩ ELR20J 10 kΩ
R296 R297	7010003530 7010003660	Resistor Resistor	ELR20J 10 kΩ ELR20J 100 kQ
R298	7010003660	Resistor	ELR20J 100 kΩ
R299	7010003400	Resistor	ELR20J 1 kQ
R300	7010003440	Resistor	ELR20J 2.2 kΩ

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R304 7010003900 Resistor ELR20J 33 KΩ Resistor Resistor Resistor Resistor R20J 2.2 kΩ Resistor R20J 22 kΩ Resistor R20J 120 Ω Resistor ELR20J 133 kΩ Resistor ELR20J 47 Ω Resistor ELR20J 47 Ω Resistor ELR20J 47 Ω Resistor ELR20J 33 kΩ Resistor ELR20J 33 kΩ Resistor ELR20J 13 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 10 kΩ Resistor Res		I -		
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R315 701000340 Resistor Resistor R120J 47 Ω Resistor R1317 7010003400 Resistor ELR20J 3.3 kΩ R1318 7010003500 Resistor ELR20J 3.3 kΩ R1319 7010003500 Resistor ELR20J 3.3 kΩ R1320 7310003170 Trimmer EVN-2ACA00 B53 (502) ELR20J 10 kΩ R1321 7010003400 Resistor ELR20J 1 kΩ R1321 7010003400 Resistor ELR20J 1 kΩ R1322 7010003510 Resistor ELR20J 1 kΩ R1325 7010003510 Resistor ELR20J 10 kΩ R1325 7010003200 R1325 7010004820 R1320 R1				R20J 120 Ω
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R318 7010003500 Resistor ELR20J 33 kΩ Resistor R120J 710003440 Resistor ELR20J 10 kΩ Resistor ELR20J 12.2 kΩ Resistor ELR20J 1 kΩ Resistor ELR20J 1 kΩ Resistor ELR20J 1 kΩ Resistor ELR20J 1 kΩ Resistor ELR20J 10 kΩ Resistor R20J 10 kΩ Resistor ELR20J 10 kΩ Resistor R20J 10				
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R324 7010003510 Resistor ELR20J 1 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 10 kΩ Resistor R20J 22 kΩ Resistor R20J 10 kΩ Resistor ELR20J 20 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 100 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 10 kΩ Resistor ELR20J 10 kΩ		1		
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R364 7010004070 Resistor R20J 100 Ω R365 7010004230 Resistor R20J 2.2 kΩ R366 7010004230 Resistor R20J 2.2 kΩ R367 7010003320 Resistor ELR20J 220 Ω R368 7010004300 Resistor R20J 47 Ω R370 7010003530 Resistor ELR20J 1 kΩ R371 7010004250 Resistor R20J 3.3 kΩ R372 7010004250 Resistor R20J 3.3 kΩ R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003400 Resistor ELR20J 2.2 kΩ R376 7010003400 Resistor ELR20J 2.2 kΩ R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Re				
R366 7010004230 Resistor R20J 2.2 kΩ R367 7010003320 Resistor ELR20J 220 Ω R368 7010004030 Resistor R20J 47 Ω R369 7010003400 Resistor ELR20J 1 kΩ R370 7010003530 Resistor ELR20J 10 kΩ R371 7010004250 Resistor R20J 3.3 kΩ R372 7010004250 Resistor R20J 3.3 kΩ R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R376 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),	R364	7010004070	Resistor	
R367 7010003320 Resistor ELR20J 220 Ω R368 7010004030 Resistor R20J 47 Ω R369 7010003400 Resistor ELR20J 1 kΩ R370 7010003530 Resistor ELR20J 10 kΩ R371 7010004250 Resistor R20J 3.3 kΩ R372 7010004250 Resistor R20J 3.3 kΩ R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),				
R369 7010003400 Resistor ELR20J 1 kΩ R370 7010003530 Resistor ELR20J 10 kΩ R371 7010004250 Resistor R20J 3.3 kΩ R372 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7310003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),		1		ELR20J 220 Ω
R370 7010003530 Resistor ELR20J 10 kΩ R371 7010004250 Resistor R20J 3.3 kΩ R372 7010004250 Resistor R20J 3.3 kΩ R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7310003220 Resistor ELR20J 47 kΩ R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),				
R372 7010004250 Resistor R20J 3.3 kΩ R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),			1	
R373 7010003400 Resistor ELR20J 1 kΩ R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H), (EUR-H), (USA-H),				
R374 7010003410 Resistor ELR20J 1.2 kΩ R375 7010003440 Resistor ELR20J 2.2 kΩ R376 7010003620 Resistor ELR20J 47 kΩ R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H), (USA-H),			1	
R376 7010003620 Resistor ELR20J 47 kΩ R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H),(USA-H),	R374	7010003410	Resistor	ELR20J 1.2 kΩ
R377 7010003620 Resistor ELR20J 47 kΩ R378 7310003220 Trimmer EVN-2ACA00 B16 (105) R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H),(USA-H),		1		
R379 7010003530 Resistor ELR20J 10 kΩ (EUR-H),(USA-H),				ELR20J 47 kΩ
(EUR-H),(USA-H),		1		
(AUS-H),(SWE-H)	n3/9	7010003530	nesistor	
L. Company of the Com				(AUS-H),(SWE-H)

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REF. NO.	ORDER NO.		DESCRIPTION
R380	7310003230	Trimmer	EVN-2ACA00 B15 (104)
			(EUR-H), (USA-H),
D004	7010002500	Docistor	(AUS-H),(SWE-H) ELR20J 22 kΩ
R384 R386	7010003580 7010003620	Resistor Resistor	ELR20J 22 kΩ ELR20J 47 kΩ
R387	7010003620	Resistor	ELR20J 47 kΩ
R388	7010003620	Resistor	ELR20J 47 kQ
R389	7010003620	Resistor	ELR20J 47 kΩ
R390	7010003620 7010003620	Resistor Resistor	ELR20J 47 kΩ ELR20J 47 kΩ
R391 R392	7010003620	Resistor	ELR20J 47 kQ
R393	7010003620	Resistor	ELR20J 47 kΩ
R394	7010003280	Resistor	ELR20J 100 Ω
R395	7010003280	Resistor	ELR20J 100 Q
R396 R397	7010003480 7010003480	Resistor Resistor	ELR20J 4.7 kΩ ELR20J 4.7 kΩ
R398	7010003480	Resistor	ELR20J 22 kQ
R399	7010004570	Resistor	R20J 1 MQ
R400	7010003530	Resistor	ELR20J 10 kΩ
R401	7010003580	Resistor	ELR20J 22 kΩ
R402 R403	7010003530 7010004370	Resistor Resistor	ELR20J 10 kΩ R20J 22 kΩ
R404	7010004370	Resistor	ELR20J 1 MQ
R405	7010003530	Resistor	ELR20J 10 kΩ
R406	7010003530	Resistor	ELR20J 10 kΩ
R410	7010004420	Resistor	R20J 56 kQ
R411 R417	7010003470 7010003530	Resistor Resistor	ELR20J 3.9 kΩ ELR20J 10 kΩ
R418	7010003590	Resistor	ELR20J 27 kQ
R419	7010003530	Resistor	ELR20J 10 kΩ
R420	7010003590	Resistor	ELR20J 27 kΩ
R421	7010003480	Resistor	ELR20J 4.7 kΩ
R422 R423	7010003620 7010003480	Resistor Resistor	ELR20J 47 kΩ ELR20J 4.7 kΩ
R424	7010003400	Resistor	ELR20J 47 kQ
R425	7010003580	Resistor	ELR20J 22 kΩ
R426	7010003580	Resistor	ELR20J 22 kQ
R427 R428	7010003590 7510000130	Resistor Thermistor	ELR20J 27 kΩ ERT-D2FHL333S
R429	7010003580	Resistor	ELR20J 22 kQ
R430	7010003440	Resistor	ELR20J 2.2 kΩ
R431	7010004200	Resistor	R20J 1.2 kΩ
R432	7010003580	Resistor	ELR20J 22 kΩ
C1	4010000520	Ceramic	DD108 B 472K 50V
C2	4010000520	Ceramic	DD108 B 472K 50V
C3	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C4 C5	4510003860	Electrolytic	50 MV 3R3 SW
C6	4310000020	Mylar	F2D 50V 103K
C7	4010000520	Ceramic	DD108 B 472K 50V
C8	4010000520	Ceramic	DD108 B 472K 50V
C9 C10	4010000180 4040000150	Ceramic Barrier Layer	DD104 SL 220J 50V UAT 05X 472K
C11	4040000150	Barrier Layer	UAT 05X 472K
C12	4010000520	Ceramic	DD108 B 472K 50V
C13	4010000520	Ceramic	DD108 B 472K 50V
C14	4010000520	Ceramic	DD108 B 472K 50V UAT 05X 472K
C15 C18	4040000150 4040000150	Barrier Layer Barrier Layer	UAT 05X 472K UAT 05X 472K
C17	4010000520	Ceramic	DD108 B 472K 50V
C18	4510003820	Electrolytic	50 MV R22 SW
C19	4510003790	Electrolytic	16 MV 10 SW
C20	4510003790	Electrolytic	16 MV 10 SW 16 MV 10 SW
C21 C22	4510003790 4510003830	Electrolytic Electrolytic	50 MV R47 SW
C23	4010000040	Ceramic	DD104 SL 020C 50V
C24	4510003790	Electrolytic	16 MV 10 SW
C25	4010000520	Ceramic	DD108 B 472K 50V
C26 C27	4040000150 4040000150	Barrier Layer Barrier Layer	UAT 05X 472K UAT 05X 472K
C27	4510003790	Electrolytic	16 MV 10 SW
C29	4010000520	Ceramic	DD108 B 472K 50V
C30	4040000150	Barrier Layer	UAT 05X 472K
C31 C32	4010000520 4010000340	Ceramic Ceramic	DD108 B 472K 50V DD105 SL 121J 50V
C32	4010000340	Ceramic	DD103 SL 1213 50V DD104 SL 220J 50V

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REF. NO.	ORDER NO.		DESCRIPTION	
C34	4510003800	Electrolytic	25 MV 4R7 SW	
C35	4010000520	Ceramic	DD108 B 472K 50V	
C36 C37	4010000330 4510003790	Ceramic Electrolytic	DD105 SL 101J 50V 16 MV 10 SW	
C38	4010000520	Ceramic	DD108 B 472K 50V	
C39	4040000150	Barrier Layer	UAT 05X 472K	
C40	4040000260	Barrier Layer	UZE 08X 104M	
C41 C42	4010000520 4010000370	Ceramic Ceramic	DD108 B 472K 50V DD108 SL 201J 50V	
C42	4010000370	Ceramic	DD100 SE 2010 30V DD107 CH 101J 50V	
C44	4010000520	Ceramic	DD108 B 472K 50V	
C45	4010000520	Ceramic	DD108 B 472K 50V	
C46	4510003790	Electrolytic	16 MV 10 SW	
C47 C48	4510004180 4510003790	Electrolytic Electrolytic	50 MV R33 SW 16 MV 10 SW	
C49	4510003790	Electrolytic	16 MV 10 SW	
C50	4510003790	Electrolytic	16 MV 10 SW	
C52	4010000520	Ceramic	DD108 B 472K 50V	
C53	4010000520	Ceramic	DD108 B 472K 50V DD108 B 472K 50V	
C54 C57	4010000520 4010000050	Ceramic Ceramic	DD108 B 472K 50V DD104 SL 030C 50V	
C58	4040000280	Barrier Layer	UZE 08X 104M	
C59	4010000520	Ceramic	DD108 B 472K 50V	
C60	4040000260	Barrier Layer	UZE 08X 104M	
C61	4010000520	Ceramic	DD108 B 472K 50V	
C62 C63	4040000260 4010000200	Barrier Layer Ceramic	UZE 08X 104M DD104 SL 270J 50V	
C64	4010000520	Ceramic	DD108 B 472K 50V	
C85	4510003790	Electrolytic	18 MV 10 SW	
C66	4010000520	Ceramic	DD108 B 472K 50V	
C67	4010000520	Ceramic	DD108 B 472K 50V	
C68 C69	4010000260 4040000150	Ceramic Barrier Layer	DD104 SL 470J 50V UAT 05X 472K	
C70	4010000520	Ceramic	DD108 B 472K 50V	
C71	4510003840	Electrolytic	50 MV 1 SW	
C72	4010000520	Ceramic	DD108 B 472K 50V	
C73	4010000260	Ceramic	DD104 SL 470J 50V	
C74 C75	4010000980 4010000980	Ceramic Ceramic	DD109 CH 151J 50V DD109 CH 151J 50V	
C76	4610000130	Trimmer	CV05E3001	
C77	4010000820	Ceramic	DD105 CH 330J 50V	
C78	4040000150	Barrier Layer	UAT 05X 472K	
C79 C80	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V	
C81	4010000520	Ceramic	DD108 B 472K 50V	
C82	4550000350	Tantalum	DN 1V 010M	
C83	4550000350	Tantalum	DN 1V 010M	
C84	4550000360	Tantalum	DN 1V R47M	
C85 C86	4010000500 4010000500	Ceramic Ceramic	DD104 B 102K 50V DD104 B 102K 50V	
C87	4510003800	Electrolytic	25 MV 4R7 SW	
C88	4010003600	Ceramic	DD107 UJ 121J 50V	
C90	4040000260	Barrier Layer	UZE 08X 104M	
C91 C92	4510003790 4040000260	Electrolytic Barrier Layer	16 MV 10 SW UZE 08X 104M	
C92	4040000260	Barrier Layer	UZE 08X 104M	
C94	4010000180	Ceramic	DD104 SL 220J 50V	
C95	4010000520	Ceramic	DD108 B 472K 50V	
C96	4010000500	Ceramic	DD104 B 102K 50V	
C97 C98	4040000190 4010000480	Barrier Layer Ceramic	UAT 05X 103K DD104 B 471K 50V	
C99	4010000460	Ceramic	DD104 B 471K 50V	
C100	4010000220	Ceramic	DD104 SL 330J 50V	
C101	4040000190	Barrier Layer	UAT 05X 103K	
C102	4550000010	Tantalum	DN 1C 4R7M	
C103 C104	4010000650 4010000520	Ceramic Ceramic	DD104 CH 050C 50V DD108 B 472K 50V	
C104	4040000250	Barrier Layer	UAT 08X 473M	
C106	4010004870	Ceramic	DD304 F 473Z 25V	
C107	4040000250	Barrier Layer	UAT 08X 473M	
C108	4040000250	Barrier Layer	UAT 08X 473M DD104 B 102K 50V	
C109 C110	4010000500 4510003800	Ceramic Electrolytic	25 MV 4R7 SW	
C111	4510003790	Electrolytic	16 MV 10 SW	
C112	4010003340	Ceramic	DD104 UJ 100D 50V	
C113	4010000520	Ceramic	DD108 B 472K 50V	
C114 C115	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V	
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REF. NO.	ORDER NO.		DESCRIPTION
C116	4040000240	Barrier Layer	UAT 08X 333M
C117	4010000520 4510003830	Ceramic	DD108 B 472K 50V 50 MV R47 SW
C118 C119	4310003830	Electrolytic Mylar	F2D 50V 472K
C120	4010000520	Ceramic	DD108 B 472K 50V
C121	4040000150	Barrier Layer	UAT 05X 472K
C122 C123	4040000150 4010000520	Barrier Layer Ceramic	UAT 05X 472K DD108 B 472K 50V
C124	4010000520	Ceramic	DD108 B 472K 50V
C125	4010000350	Ceramic	DD106 SL 151J 50V
C126 C127	4020000620 4010000520	Cylinder Ceramic	UP050 SL 220J DD108 B 472K 50V
C128	4010000520	Ceramic	DD108 B 472K 50V
C129	4040000250	Barrier Layer	UAT 08X 473M DN 1V 0R1M
C130 C131	4550000320 4010000520	Tantalum Ceramic	DD108 B 472K 50V
C132	4510003850	Electrolytic	50 MV 2R2 SW
C133	4040000150 4510001770	Barrier Layer	UAT 05X 472K 16 RBP 10 μF
C134 C135	4510001770	Electrolytic Electrolytic	50 MV R47 SW
C136	4510003830	Electrolytic	50 MV R47 SW
C137	4010004840	Ceramic	DD305 F 104Z 12V UAT 04X 152K
C138 C139	4040000090 4040000090	Barrier Layer Barrier Layer	UAT 04X 152K
C140	4040000090	Barrier Layer	UAT 04X 152K
C141 C142	4510003810 4310000420	Electrolytic M ylar	50 MV R1 SW F2D 50V 333J
C142	4310000420	Mylar	F2D 50V 333J
C144	4010004840	Ceramic	DD305 F 104Z 12V
C145 C146	4040000090 4040000090	Barrier Layer Barrier Layer	UAT 04X 152K UAT 04X 152K
C146	4040000090	Barrier Layer	UAT 04X 152K
C148	4510003810	Electrolytic	50 MV R1 SW
C149 C150	4510003790 4010001010	Electrolytic Ceramic	16 MV 10 SW DD110 CH 201J 50V
C151	4010000920	Ceramic	DD107 CH 820J 50V
C152	4040000280	Barrier Layer	UZE 08X 104M
C153 C154	4510003790 4040000260	Electrolytic Barrier Layer	16 MV 10 SW UZE 08X 104M
C155	4010000320	Ceramic	DD104 SL 820J 50V
C156	4040000260 4010000180	Barrier Layer	UZE 08X 104M
C157 C158	4040000150	Ceramic Barrier Layer	DD104 SL 220J 50V UAT 05X 472K
C159	4010000340	Ceramic	DD105 SL 121J 50V
C160 C161	4010000520 4040000190	Ceramic Barrier Layer	DD108 B 472K 50V UAT 05X 103K
C162	4010000460	Ceramic	DD104 B 471K 50V
C163	4010000460	Ceramic	DD104 B 471K 50V
C164 C165	4010000220 4040000190	Ceramic Barrier Layer	DD104 SL 330J 50V UAT 05X 103K
C166	4550000010	Tantalum	DN 1C 4R7M
C167	4040000250	Barrier Layer	UAT 08X 473M
C168 C169	4040000250 4040000250	Barrier Layer Barrier Layer	UAT 08X 473M UAT 08X 473M
C170	4040000250	Barrier Layer	UAT 08X 473M
C171	4010000500	Ceramic	DD104 B 102K 50V
C172 C173	4510003800 4020000670	Electrolytic Cylinder	25 MV 4R7 SW UP050 SL 470J
C174	4010000520	Ceramic	DD108 B 472K 50V
C175	4010000520	Ceramic	DD108 B 472K 50V
C176 C177	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C178	4010000520	Ceramic	DD108 B 472K 50V
C179 C180	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C180	4040000150	Barrier Layer	UAT 05X 472K
C182	4010000520	Ceramic	DD108 B 472K 50V
C183 C184	4010000520 4010000260	Ceramic Ceramic	DD108 B 472K 50V DD104 SL 470J 50V
C184	4010000280	Ceramic	DD104 SE 4703 50V DD109 CH 151J 50V
C186	4010000980	Ceramic	DD109 CH 151J 50V
C187 C188	4610000130 4010000820	Trimmer Ceramic	CV05E3001 DD105 CH 330J 50V
C189	4040000150	Barrier Layer	UAT 05X 472K
C190	4010000520	Ceramic	DD108 B 472K 50V
C191 C192	4010000520 4510003860	Ceramic Electrolytic	DD108 B 472K 50V 50 MV 3R3 SW
C193	4010000520	Ceramic	DD108 B 472K 50V

REF. NO.	ORDER NO.		DESCRIPTION
C194	4310000110	Mylar	F2D 50V 472K
C195	4010000520	Ceramic	DD108 B 472K 50V
C196 C197	4040000150 4040000150	Barrier Layer Barrier Layer	UAT 05X 472K UAT 05X 472K
C198	4010000520	Ceramic	DD108 B 472K 50V
C199	4010000520	Ceramic	DD108 B 472K 50V
C200	4010000350	Ceramic	DD108 SL 151J 50V
C201 C202	4020000820 4010000520	Cylinder Ceramic	UP050 SL 220J DD108 B 472K 50V
C203	4010000520	Ceramic	DD108 B 472K 50V
C204	4040000250	Barrier Layer	UAT 08X 473M
C205	4510003810	Electrolytic	50 MV R1 SW 50 MV 2R2 SW
C206 C207	4510003850 4010000520	Electrolytic Ceramic	DD108 B 472K 50V
C212	4010004840	Ceramic	DD305 F 104Z 12V
C213	4040000150	Barrier Layer	UAT 05X 472K
C214 C215	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V
C216	4510001770	Electrolytic	16 RBP 10 μF
C217	4510003820	Electrolytic	50 MV R22 SW
C218	4510003800	Electrolytic	25 MV 4R7 SW
C219 C220	4510003790 4040000260	Electrolytic Barrier Layer	16 MV 10 SW UZE 08X 104M
C221	4040000280	Barrier Layer	UZE 08X 104M
C222	4510003810	Electrolytic	50 MV R1 SW
C223	4010000520	Ceramic	DD108 B 472K 50V
C224 C225	4510003820 4010004840	Electrolytic Ceramic	50 MV R22 SW DD305 F 104Z 12V
C226	4510003800	Electrolytic	25 MV 4R7 SW
C227	4510003790	Electrolytic	16 MV 10 SW
C228	4040000260	Barrier Layer	UZE 08X 104M
C229 C230	4510003810 4040000260	Electrolytic Barrier Layer	50 MV R1 SW UZE 08X 104M
C231	4040000240	Barrier Layer	UAT 08X 333M
C232	4510003900	Electrolytic	16 MV 22 HW
C233 C234	4510003830 4510003830	Electrolytic Electrolytic	50 MV R47 SW 50 MV R47 SW
C235	4510003830	Electrolytic	25 MV 4R7 SW
C236	4510003920	Electrolytic	16 MV 100 HW
C237	4510003800	Electrolytic	25 MV 4R7 SW
C238 C239	4510004120 4510003930	Electrolytic Electrolytic	16 MV 330 HW 16 MV 470 HW
C240	4510003920	Electrolytic	18 MV 100 HW
C241	4510003930	Electrolytic	16 MV 470 HW
C242 C243	4310000500 4510003920	Mylar Electrolytic	F2D 50V 154J 16 MV 100 HW
C244	4310003520	Mylar	F2D 50V 154J
C245	4510003930	Electrolytic	18 MV 470 HW
C246	4040000260	Barrier Layer	UZE 08X 104M
C247 C248	4510003920 4510003790	Electrolytic Electrolytic	16 MV 100 HW 16 MV 10 SW
C249	4550000350	Tantalum	DN 1V 010M
C250	4510004370	Electrolytic	16 MS7 47 μF (5X7)
C251 C252	4550000310 4550000340	Tantalum Tantalum	DN 1V 2R2M DN 1C 100M
C252	4510003790	Electrolytic	16 MV 10 SW
C254	4310000010	Mylar	F2D 50V 102K
C255	4010000520	Ceramic	DD108 B 472K 50V
C256 C257	4040000260 4040000240	Barrier Layer Barrier Layer	UZE 08X 104M UAT 08X 333M
C258	4010000520	Ceramic	DD108 B 472K 50V
C259	4010000150	Ceramic	DD104 SL 150J 50V
C260 C261	4010000150 4010000110	Ceramic Ceramic	DD104 SL 150J 50V DD104 SL 090D 50V
C262	4010000110	Ceramic	DD104 SE 090D 30V DD108 B 472K 50V
C263	4510004010	Electrolytic	10 MV 470 HW
C264	4040000150	Barrier Layer	UAT 05X 472K
C265 C268	4040000150 4010000520	Barrier Layer Ceramic	UAT 05X 472K DD108 B 472K 50V
C267	4010000320	Ceramic	DD104 RH 180J 50V
C268	4010000520	Ceramic	DD108 B 472K 50V
C269	4010000980	Ceramic	DD109 CH 151J 50V
C270 C271	4010000980 4010000080	Ceramic Ceramic	DD109 CH 151J 50V DD104 SL 040C 50V
C272	4010000520	Ceramic	DD108 B 472K 50V
C273	4010000340	Ceramic	DD105 SL 121J 50V
C274 C275	4010000520 4010000520	Ceramic Ceramic	DD108 B 472K 50V DD108 B 472K 50V

4010000520 4010000520	Ceramic	DD108 B 472K 50V
4010000520		
	Ceramic	DD108 B 472K 50V
4010000520 4040000150	Ceramic Barrier Layer	DD108 B 472K 50V UAT 05X 472K
4010000520	Ceramic	DD108 B 472K 50V
4550002880	Tantalum	DN 1V 0R1K
4510003980	Electrolytic	10 MV 100 HWS (5X11)
		10 MV 100 HWS (5X11)
I		16 MV 47 HW 16 MV 47 HW
		UAT 05X 472K
4010000520	Ceramic	DD108 B 472K 50V
4010000520	Ceramic	DD108 B 472K 50V
4010000500	Ceramic	DD104 B 102K 50V
		50 MV 3R3 SW 16 MV 10 SW
		DD305 F 104Z 12V
4040000260	Barrier Layer	UZE 08X 104M
4040000260	Barrier Layer	UZE 08X 104M
4040000260	Barrier Layer	UZE 08X 104M
1		UZE 08X 104M
		UAT 05X 103K UAT 08X 473M
4040000250	Barrier Layer	UAT 08X 473M
4020000330	Cylinder	UP125 SL 180J
4010004840	Ceramic	DD305 F 104Z 12V
4040000190		UAT 05X 103K UAT 08X 473M
	,	DD304 F 473Z 25V
		DD104 SL 180J 50V
4010004870	Ceramic	DD304 F 473Z 25V
4040000150	Barrier Layer	UAT 05X 472K
4040000150	Barrier Layer	UAT 05X 472K
		16 MV 10 SW UAT 05X 472K
		DD108 B 472K 50V
4010000520	Ceramic	DD108 B 472K 50V
4010000340	Ceramic	DD105 SL 121J 50V
4010000040	Ceramic	DD104 SL 020C 50V
		DD104 SL 220J 50V 25 MV 4R7 SW
	,	DD108 B 472K 50V
4040000260	Barrier Layer	UZE 08X 104M
4010000060	Ceramic	DD104 SL 040C 50V
4010000060	Ceramic	DD104 SL 040C 50V
		DD104 SL 030C 50V UZE 08X 104M
		UAT 05X 472K
4040000090		UAT 04X 152K
4550000350	Tantalum	DN 1V 010M
4550000350	Tantalum	DN 1V 010M
4510003910	Electrolytic	16 MV 47 HW
	,	UAT 05X 103K UAT 05X 103K
4550000410	Tantalum	DN 1V 4R7M
4510003790	Electrolytic	16 MV 10 SW
4010000210	Ceramic	DD104 SL 300J 50V
4010000900	Ceramic	DD107 CH 680J 50V
		DD104 B 102K 50V DD104 B 102K 50V
	l	DD104 B 102K 50V DD104 B 102K 50V
4010000500	Ceramic	DD104 B 102K 50V
4010000070	Ceramic	DD104 SL 050C 50V
0910023875	P.C. Board	B 2275E (MAIN)
	4550002880 4510003980 4510003910 4510003910 4040000150 4010000520 4010000520 401000520 401000280 404000280 404000280 404000280 404000250 404000250 404000250 404000250 404000190 404000190 404000190 404000150 404000150 4010004870 401000520 401000500 401000500 401000500 401000500 401000500 401000500 401000500 401000500 401000500 401000500 4010000500 401000500	4550002880 4510003980 4510003980 4510003910 4510003910 4040000150 4040000150 4010000520 4010000500 4510003800 4510003800 4510003800 4510003800 4510003800 4510003800 4010000280 4040000280 4040000280 4040000280 4040000250 4010004840 4040000250 4010004840 4040000190 4040000000000

[MS-A UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
Q1	1530000160	Transistor	2SC2712-Y (TE85RT EM)
D1	1790000590	Diode	MA110(TW)
D2	1790000450	Diode	MA862(TX)
D3	1790000590	Diode	MA110(TW)
D4	1790000490	Diode	HSM88AS-TR
l			
.	7000000565	Danista.	MODIAEZHI aa kO (222)
R1	7030000560	Resistor	MCR10EZHJ 33 kΩ (333)
R2	7030000530	Resistor	MCR10EZHJ 18 kΩ (183)
R3	7030000700	Resistor	MCR10EZHJ 470 kΩ (474)
R4	7030000500	Resistor	MCR10EZHJ 10 kQ (103)
R5	7030000570	Resistor	MCR10EZHJ 39 kQ (393)
R6	7030000540	Resistor	MCR10EZHJ 22 kΩ (223)
R7	7030000970	Resistor	MCR10EZHJ 2.2 M Q (225)
R8	7030001560	Resistor	MCR10EZHJ 1.5 MΩ (155)
R9	7030000700	Resistor	MCR10EZHJ 470 kΩ (474)
R10	7030000970	Resistor	MCR10EZHJ 2.2 MΩ (225)
R11	7030000380	Resistor	MCR10EZHJ 1 kΩ (102)
R12	7030000540	Resistor	MCR10EZHJ 22 kΩ (223)
C1	4030004720	Ceramic	C2012 JB 1H 102K- T-A
СЗ	4550002720	Tantalum	TESVD2 0J 476M-12 L
C4	4030004630	Ceramic	C2012 SL 1H 151J- T-A
 			UED0 54 0 0 0 (AL)
EP1	6910002720	Lead Frame	HFB2.54-0.9-8 (N)
EP2	0910023583	P.C. Board	B 2268C (MS-A)

[MS-B UNIT]

REF. NO.	ORDER NO.	_	DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
R1 R2 R3 R4 R5 R6 R7	7030000800 7030000800 7030000800 7030000500 7030000700 7030000700 7030000380 7030000380	Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	MCR10EZHJ 68 kΩ (683) MCR10EZHJ 68 kΩ (683) MCR10EZHJ 68 kΩ (683) MCR10EZHJ 10 kΩ (103) MCR10EZHJ 2.2 kΩ (222) MCR10EZHJ 470 kΩ (474) MCR10EZHJ 1 kΩ (102) MCR10EZHJ 1 kΩ (102)
R9	7030000380	Resistor	MCR10EZHJ 18 kQ (102)
R10 R11	7030000530 7030000380 7030000390	Resistor Resistor Resistor	MCR10EZHJ 18 kΩ (183) MCR10EZHJ 1 kΩ (102) MCR10EZHJ 1.2 kΩ (122)
C1 C2 C3 C4	4030004620 4030004730 4030004720 4030004730	Ceramic Ceramic Ceramic Ceramic	C2012 SL 1H 121J- T-A C2012 JB 1H 222K- T-A C2012 JB 1H 102K- T-A C2012 JB 1H 222K- T-A
EP1 EP2	6910002720 0910023593	Lead Frame P.C. Board	HFB2.54-0.9-8 (N) B 2269C (MS-B)

[MS-C UNIT]

IC1	REF. NO.	ORDER NO.		DESCRIPTION
R1 7030000340 Resistor MCR10EZHJ 470 Ω (471) R2 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R3 7030000700 Resistor MCR10EZHJ 470 kΩ (474) R4 7030000480 Resistor MCR10EZHJ 4.7 kΩ (472) R5 703000500 Resistor MCR10EZHJ 10 kΩ (103) R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R8 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004700 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004700 Ceramic C2012 JB 1H 102K- T-A C2 4030004760 Ceramic C2012 JF 1E 104Z- T-A C3 4030004740 Ceramic C2012 JB 1H 472K- T-A C4 4030004720 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 1050C- T-A	IC1	1110000960	IC	NJM4558M(T1)
R2 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R3 7030000700 Resistor MCR10EZHJ 470 kΩ (474) R4 7030000460 Resistor MCR10EZHJ 4.7 kΩ (472) R5 7030000500 Resistor MCR10EZHJ 10 kΩ (103) R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R9 7030000740 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K-T-A C3 4030004760 Ceramic C2012 JB 1H 472K-T-A C4 4030004720 Ceramic C2012 JB 1H 102K-T-A C5 4030004420 Ceramic C2012 JB 1H 02K-T-A EP1 6910002720 Lead Frame HFB2.54-0.9-8 (N)	D1	1790000590	Diode	MA110(TW)
R3 7030000700 Resistor MCR10EZHJ 470 kΩ (474) R4 7030000460 Resistor MCR10EZHJ 4.7 kΩ (472) R5 7030000500 Resistor MCR10EZHJ 10 kΩ (103) R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R8 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K-T-A C3 4030004740 Ceramic C2012 JB 1H 472K-T-A C4 4030004720 Ceramic C2012 JB 1H 102K-T-A C5 4030004420 Ceramic C2012 JB 1H 02K-T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R1	7030000340	Resistor	MCR10EZHJ 470 Ω (471)
R4 7030000460 Resistor MCR10EZHJ 4.7 kΩ (472) R5 7030000500 Resistor MCR10EZHJ 10 kΩ (103) R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R8 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K- T-A C3 4030004740 Ceramic C2012 JB 1H 472K- T-A C4 4030004720 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 02K- T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R2	7030000970	Resistor	MCR10EZHJ 2.2 MQ (225)
R5 7030000500 Resistor MCR10EZHJ 10 kΩ (103) R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R8 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K- T-A C3 4030004740 Ceramic C2012 JB 1H 102K- T-A C4 4030004720 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 102K- T-A C5 4030004720 Ceramic C2012 JB 1H 050C- T-A	R3	7030000700	Resistor	MCR10EZHJ 470 kQ (474)
R7 7030000740 Resistor MCR10EZHJ 1 MΩ (105) R8 7030000970 Resistor MCR10EZHJ 2.2 MΩ (225) R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K-T-A C2 4030004760 Ceramic C2012 JF 1E 104Z-T-A C3 4030004740 Ceramic C2012 JB 1H 472K-T-A C4 4030004720 Ceramic C2012 JB 1H 102K-T-A C5 4030004420 Ceramic C2012 SL 1H 050C-T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R4	7030000460	Resistor	MCR10EZHJ 4.7 kΩ (472)
R8 7030000970 7030000740 Resistor Resistor MCR10EZHJ 2.2 MQ (225) MCR10EZHJ 1 MQ (105) C1 4030004720 4030004760 Ceramic Ceramic C2012 JB 1H 102K- T-A C3 4030004740 4030004720 Ceramic 	R5	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
R9 7030000740 Resistor MCR10EZHJ 1 MΩ (105) C1 4030004720 Ceramic C2012 JB 1H 102K- T-A C2 4030004780 Ceramic C2012 JF 1E 104Z- T-A C3 4030004740 Ceramic C2012 JB 1H 472K- T-A C4 4030004720 Ceramic C2012 JB 1H 102K- T-A C5 4030004420 Ceramic C2012 JB 1H 102K- T-A C6 4030004420 Ceramic C2012 SL 1H 050C- T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R7	7030000740	Resistor	MCR10EZHJ 1 MΩ (105)
C1 4030004720 Ceramic C2012 JB 1H 102K-T-A C2 4030004760 Ceramic C2012 JF 1E 104Z-T-A C3 4030004740 Ceramic C2012 JB 1H 472K-T-A C4 4030004720 Ceramic C2012 JB 1H 102K-T-A C5 4030004420 Ceramic C2012 SL 1H 050C-T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R8	7030000970	Resistor	MCR10EZHJ 2.2 MΩ (225)
C2 4030004760 Ceramic C2012 JF 1E 104Z-T-A C3 4030004740 Ceramic C2012 JB 1H 472K-T-A C4 4030004720 Ceramic C2012 JB 1H 102K-T-A C5 4030004420 Ceramic C2012 SL 1H 050C-T-A EP1 8910002720 Lead Frame HFB2.54-0.9-8 (N)	R9	7030000740	Resistor	MCR10EZHJ 1 MΩ (105)
	C2 C3 C4 C5	4030004780 4030004740 4030004720 4030004420 6910002720	Ceramic Ceramic Ceramic Ceramic	C2012 JF 1E 104Z-T-A C2012 JB 1H 472K-T-A C2012 JB 1H 102K-T-A C2012 SL 1H 050C-T-A HFB2.54-0.9-8 (N)

[MS-D UNIT]

•			
REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
D1	1790000590	Diode	MA110(TW)
R5	7030000540	Resistor	MCR10EZHJ 22 kQ (223)
R6	7030000740	Resistor	MCR10EZHJ 1 MQ (105)
R7	7030000740	Resistor	MCR10EZHJ 1 MΩ (105)
R8	7030000740	Resistor	MCR10EZHJ 1 MQ (105)
R9	7030000740	Resistor	MCR10EZHJ 1 MQ (105)
СЗ	4030004720	Ceramic	C2012 JB 1H 102K- T-A
EP1 EP2	6910002720 0910023613	Lead Frame P.C. Board	HFB2.54-0.9-8 (N) B 2271C (MS-D)

[MS-E UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
R2 R3 R4 R5 R6 R7 R8 R9	703000970 703000500 703000500 703000500 703000500 7030000820 7030000820 7030000970	Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	MCR10EZHJ 2.2 MQ (225) MCR10EZHJ 10 kQ (103) MCR10EZHJ 10 kQ (103) MCR10EZHJ 10 kQ (103) MCR10EZHJ 100 kQ (104) MCR10EZHJ 100 kQ (104) MCR10EZHJ 100 kQ (104) MCR10EZHJ 2.2 MQ (225) MCR10EZHJ 2.2 MQ (225)
R11	7030000970	Resistor	MCR10EZHJ 10 kΩ (103)

[MS-E UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
R14	7030000970	Resistor	MCR10EZHJ 2.2 MΩ (225)
C1 C2 C3 C4 C5	4030004720 4030003320 4030003320 4030004760 4030003590 4030003590	Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic	C2012 JB 1H 102K- T-A GRM40 F 333Z 50PT GRM40 F 333Z 50PT C2012 JF 1E 104Z- T-A GRM40 B 152K 50PT GRM40 B 152K 50PT
C7	4030003590	Ceramic	GRM40 B 152K 50PT
C8	4030004760	Ceramic	C2012 JF 1E 104Z- T-A
EP1 EP2	6910002720 0910023624	Lead Frame P.C. Board	HFB2.54-0.9-8 (N) B 2272D (MS-E)

[MS-F UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1130001910	IC	μ PD4011BG-T1
IC2	1130001250	IC	μ PD4066BG-T1
D1	1790000590	Diode	MA110(TW)
D2	1790000590	Diode	MA110(TW)
D3	1790000590	Diode	MA110(TW)
D4	1790000590	Diode	MA110(TW)
R1	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R2	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R3	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R4	7030000320	Resistor	MCR10EZHJ 2.2 kΩ (222)
R6	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R7	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R8	7030000460	Resistor	MCR10EZHJ 4.7 kΩ (472)
R9	7030000460	Resistor	MCR10EZHJ 4.7 kΩ (472)
- n.			UED0 54 0 0 0 (N)
EP1	6910002720	Lead Frame	HFB2.54-0.9-8 (N)
EP2	0910023634	P.C. Board	B 2273D (MS-F)

[MS-G UNIT]

[INIO-G (
REF. NO.	ORDER NO.		DESCRIPTION			
IC1	1130001910	IC	μPD4011BG-T1			
Q1 Q2 Q3 Q4	1530000160 1530000160 1590000400 1540000250	Transistor Transistor @Transistor I Transistor	2SC2712-Y (TE85RT EM) 2SC2712-Y (TE85RT EM) FETUN2114(TW) 2SD999-T2 CK			
D1 D2 D3 D4 D5 D8 D7	1790000590 1790000590 1790000590 1790000590 1790000590 1790000590	Diode Diode Diode Diode Diode Diode	MA110(TW) MA110(TW) MA110(TW) MA110(TW) MA110(TW) MA110(TW) MA110(TW) MA110(TW)			
R1	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)			

[MS-G UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
R2	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
R3	7030000700	Resistor	MCR10EZHJ 470 kΩ (474)
R4	7030000700	Resistor	MCR10EZHJ 470 kQ (474)
R5	7030000380	Resistor	MCR10EZHJ 1 kQ (102)
R6	7030000500	Resistor	MCR10EZHJ 10 kQ (103)
R7	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
C1 C2	4030003340 4030003380	Ceramic Ceramic	GRM40 B 332K 50PT GRM40 F 473Z 50PT
EP1 EP2	6910002720 0910023644	Lead Frame P.C. Board	HFB2.54-0.9-8 (N) B 2274D (MS-G)

[MS-H UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
D1 D2	1790000590 1790000590	Diode Diode	MA110(TW) MA110(TW)
52	1790000590	Diode	MIATIO(144)
R1 R2	7030000700 7510000220	Resistor Thermistor	MCR10EZHJ 470 kΩ (474) DTN-T203S332LS(T)
R3	7030000560	Resistor Resistor	MCR10EZHJ 33 kΩ (333) MCR10EZHJ 33 kΩ (333)
R4	7030000560	Resistor	MCR10EZHJ 33 KQ (333) MCR10EZHJ 47 kQ (473)
R5 R6	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R7	7030000380	Resistor	MCR10EZHJ 470 kΩ (474)
R8	7510000220	Thermistor	DTN-T203S332LS(T)
Rg	7030000580	Resistor	MCR10EZHJ 33 kΩ (333)
R10	7030000560	Resistor	MCR10EZHJ 33 kΩ (333)
R11	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
R12	7030000580	Resistor	MCR10EZHJ 47 kΩ (473)
C1	4030004720	Ceramic	C2012 JB 1H 102K- T-A
C2	4030004720	Ceramic	C2012 JB 1H 102K- T-A
EP1	0910024722	P.C. Board	B 2366B (MS-H)
EP2	6910002720	Lead Frame	HFB2.54-0.9-8 (N)

[MS-I UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
IC1	1110000960	IC	NJM4558M(T1)
Q1	1530000160	Transistor	2SC2712-Y (TE85RT EM)
D1	1790000590	Diode	MA110(TW)
D2	1790000450	Diode	MA862(TX)
D3	1790000590	Diode	MA110(TW)
D4	1790000490	Diode	HSM88AS-TR
R1 R2	7030000560 7030000530	Resistor Resistor	MCR10EZHJ 33 kΩ (333) MCR10EZHJ 18 kΩ (183)

[MS-I UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
R3	7030000700	Resistor	MCR10EZHJ 470 kΩ (474)
R4	7030000500	Resistor	MCR10EZHJ 10 kΩ (103)
R5	7030000570	Resistor	MCR10EZHJ 39 kΩ (393)
R6	7030000540	Resistor	MCR10EZHJ 22 kΩ (223)
R7	7030000970	Resistor	MCR10EZHJ 2.2 MΩ (225)
R8	7030001560	Resistor	MCR10EZHJ 1.5 MΩ (155)
R9	7030000700	Resistor	MCR10EZHJ 470 kΩ (474)
R10	7030000970	Resistor	MCR10EZHJ 2.2 MΩ (225)
R11	7030000380	Resistor	MCR10EZHJ 1 kΩ (102)
R12	7030000540	Resistor	MCR10EZHJ 22 kΩ (223)
C1	4030004720	Ceramic	C2012 JB 1H 102K- T-A
C3	4550002720	Tantalum	TESVD2 0J 476M-12 L
C4	4030004630	Ceramic	C2012 SL 1H 151J- T-A
EP1 EP2	6910002720 0910023583	Lead Frame P.C. Board	HFB2.54-0.9-8 (N) B 2268C (MS-I)

[FRONT UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
\$1	2230000120	Switch	SDDSA3159A [POWER]
S2	2260000310	Switch	M-2012J [TRANSMIT/RECEIVE]
S3	7600000110	Switch	SW-110 (E C24B50B00190) [RIT(SUB DIAL)]
EP2	6910003560	Lead Frame	JSM5011-01-020
EP12	6910000630	Bead core	FSOH070RN
EP13	6910000630	Bead core	FSOH070RN

[SW(A) UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
Q1	1590000350	Transistor	RN1204
R1	7010001120	Resistor	R25XJ 560 Ω
R2	7010001120	Resistor	R25XJ 560 Ω
DS1	5040001450	LED	SLB-25VR 5F
DS2	5040001440	LED	SLB-25YY 3F
S1	2230000820	Switch	EVQ-QS2 05K (TONE(1))
S2	2230000820	Switch	EVQ-QS2 05K [DUP(2)]
S3	2230000820	Switch	EVQ-QS2 05K [CHECK(3)]
S4	2230000820	Switch	EVQ-QS2 05K [P-BEEP(4)]
S5	2230000820	Switch	EVQ-QS2 05K [T-SQL(5)]
S6	2230000820	Switch	EVQ-QS2 05K [SET(6)]
S7	2230000820	Switch	EVQ-QS2 05K [PAGER(7)]
S8	2230000820	Switch	EVQ-QS2 05K [C-SQL(8)]
S9	2230000820	Switch	EVQ-QS2 05K [PITCH(9)]
S10	2230000820	Switch	EVQ-QS2 05K [MHz(•)]
\$11	2230000820	Switch	EVQ-QS2 05K [kHz(0)]
S12	2230000820	Switch	EVQ-QS2 05K [BAND(ENT)]
S13	2230000820	Switch	EVQ-QS2 05K [M/S]
S14	2230000820	Switch	EVQ-QS2 05K [SUB]
S15	2230000810	Switch	ESB-64801 [CLICK]
S16	2230000820	Switch	EVQ-QS2 05K [FUNCTION]

[SW(A) UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
S17	2230000820	Switch	EVQ-QS2 05K [SPLIT]
S18	2230000820	Switch	EVQ-QS2 05K [A/B]
S19	2230000820	Switch	EVQ-QS2 05K [A=B]
S20	2230000820	Switch	EVQ-QS2 05K [CALL-1]
S21	2230000820	Switch	EVQ-QS2 05K [CALL-2]
S22	2230000820	Switch	EVQ-QS2 05K [RIT(RIT-CL)]
S23	2230000820	Switch	EVQ-QS2 05K [MEMO(ENT)]
S24	2230000820	Switch	EVQ-QS2 05K [MW(M-CL)]
S25	2230000820	Switch	EVQ-QS2 05K
4=-			[M→VFO(SKIP)]
S26	2230000810	Switch	ESB-64801 [NOTCH]
EP1	0910023944	P.C. Board	B 2314D (SW(A))

[SW(B) UNIT]

REF. NO.	ORDER NO.	DI	ESCRIPTION
IC1	1130003900	ıc	GD4066B
IC2	1110002020	IC	TA7805S
Q4	1530000591	Transistor	2SC2785 EL
Q5 \	1590000350	Transistor	RN1204
Q6	1530000591	Transistor	2SC2785 EL
Q7	1510000080	Transistor	2SA1048-GR
Q8	1530000591	Transistor	2SC2785 EL
Q10	1590000340	Transistor	RN1202
D1	1710000160	Diode	1SS133
D2	1710000160	Diode	1SS133
D3	1710000160	Diode	1SS133
D5	1710000160	Diode	1SS133
D6	1710000160	Diode	1SS133
D7	1710000160	Diode	1SS133
"	1710000100	2.000	
L1	6910000670	Coil	BT01RN1-A61-001
L2	6910000670	Coil	BT01RN1-A61-001
	704000000	Basistan	ELR20J 47 kΩ
R1	7010003620 7010003620	Resistor Resistor	ELR20J 47 kΩ
R2 R3	7010003620	Resistor	ELR20J 100 kQ
R4	7010003660	Resistor	ELR20J 2.2 kQ
R13	7210001760		EVU-FLAEA4B16 (1MB)
			[DELAY]
R14	7210001750	Variable Resistor	EVU-FLAEA4B13 (1KB) [LEVEL]
R15	7210001770	Variable Resistor	EVU-FLAEA4C55 (500KC)
R17	7010003480	Resistor	ELR20J 4.7 kΩ
R18	7010003480	Resistor	ELR20J 4.7 kΩ
R19	7010003490	Resistor	ELR20J 5.6 kΩ
R20	7010003590	Resistor	ELR20J 27 kΩ
R21	7010003400	Resistor	ELR20J 1 kΩ
R22	7010003340	Resistor	ELR20J 330 Ω
R23	7010003520	Resistor	ELR20J 8.2 kΩ
R24	7010003320	Resistor	ELR20J 220 Ω
R26	7010003560	Resistor	ELR20J 18 kΩ
R27	7010003780	Resistor	ELR20J 1 MΩ
R28	7010003400	Resistor	ELR20J 1 kQ
R29	7010003700	Resistor	ELR20J 220 kΩ
R30	7010001110	Resistor	R25XJ 470 Ω RV-174
R32	7310001070	Trimmer	RV-174 (RH06 52CN2J04B)331
R33	7010003510	Resistor	ELR20J 6.8 kQ
R39	7010003520	Resistor	ELR20J 8.2 kΩ
R40	7010003660	Resistor	ELR20J 100 kΩ

[SW(B) UNIT]

REF. NO.	ORDER NO.	DESCRIPTION		
R41	7010003400	Resistor	ELR20J 1 kΩ	
R42	7210001880		rEVU-FLAEA4C13 (1KC)	
			[SIDE TONE]	
C1	4010000520	Ceramic	DD108 B 472K 50V	
C2	4510003880	Electrolytic	10 MV 47 HW	
СЗ	4310000060	Mylar	F2D 50V 223K	
C4	4310000060	Mylar	F2D 50V 223K	
C5	4310000060	Mylar	F2D 50V 223K	
C6	4010004840	Ceramic	DD305 F 104Z 12V	
C7	4550000340	Tantalum	DN 1C 100M	
C8	4510003840	Electrolytic	50 MV 1 SW	
C9	4550000350	Tantalum	DN 1V 010M	
C10	4010000520	Ceramic	DD108 B 472K 50V	
C11	4530000270		B8XC0114-32N	
C12	4040000280	Barrier Layer	UZE 08X 104M	
C13	4040000260	Barrier Layer	UZE 08X 104M	
C14	4040000240	Barrier Layer	UAT 08X 333M	
C15	4040000190	Barrier Layer	UAT 05X 103K	
C16	4550000340	Tantalum	DN 1C 100M	
C17	4010004840	Ceramic	DD305 F 104Z 12V	
C18	4040000260	Barrier Layer	UZE 08X 104M	
DS1	5080000060	LED	BQ044-32582A	
ME1	5510000350	Meter	ME-27 [MULTI-FUNCTION]	
S3	2230000810	Switch	ESB-64801 [PREAMP]	
S4	2230000810	Switch	ESB-64801 [SP SEPARATE]	
S 5	2230000800	Switch	SW-112 (SPPH2) [BK-IN]	
Se	2230000800	Switch	SW-112 (SPPH2) [COMP]	
S7	2230000810	Switch	ESB-64801 [AGC]	
S8	2230000800	Switch	SW-112 (SPPH2) [ELECK-KEY]	
S9	2230000810	Switch	ESB-64801 [NB]	
S10	2230000810	Switch	ESB-64801 [GENE ATT]	
S11	2230000800	Switch	SW-112 (SPPH2) [LOCK]	
S12	2230000810	Switch	ESB-64801 [S-RF/C-ALC]	
S13	2230000820	Switch	EVQ-QS2 05K [MODE-SELL]	
S14	2230000820	Switch	EVQ-QS2 05K	
S15	2230000820	Switch	[MULTI-BAND] EVQ-QS2 05K	
			[MAIN(SCAN)]	
S16	2230000820	Switch	EVQ-QS2 05K [SUB(SCAN)]	
\$17	2230000820	Switch	EVQ-QS2 05K [FM(FM)]	
S18	2230000820	Switch	EVQ-QS2 05K [SSB(FM+W)]	
S19	2230000820	Switch	EVQ-QS2 05K [CW/N(AM)]	
S20	2230000820	Switch	EVQ-QS2 05K [GENE]	
S21	2230000820	Switch	EVQ-QS2 05K [SPEECH]	
EP1	0910023974	P.C. Board	B 2304D (SW(B))	

[SATE UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
D1	1710000160	Diode	1SS133
D2	1710000160	Diode	1SS133
D3	1710000160	Diode	1SS133
D4	1710000160	Diode	1SS133
D5	1710000160	Diode	1SS133
D6	1710000160	Diode	188133
S1	2210000170	Switch	SRBU16003A [SATELLITE]
EP1	0910024083	P.C. Board	B 2306C (SATE)



[NOTCH UNIT]

REF. NO.	ORDER NO.	ı	DESCRIPTION
R1	7210001780	Variable Resisto	or RV-166(RK097111) 10KB [NOTCH]
R2	7010003400	Resistor	ELR20J 1 kΩ
EP1	0910023923	P.C. Board	B 2309C (NOTCH)

[MEMO UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
S1	2260001230	Switch	SW-111 [MEMO-CH]
EP1	0910023913	P.C. Board	B 2308C (MEMO)

[PHONE UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	
R1 R2	7010003280 7010003280	Resistor Resistor	ELR20J 100 Ω ELR20J 100 Ω
EP1	0910024073	P.C. Board	B 2305C (PHONE)

[SENSOR UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
Q1	1170000140	Transistor	IS-486
Q2	1170000140	Transistor	IS-486
Q3	1170000140	Transistor	IS-486
R1	7030000420	Resistor	MCR10EZHJ 2.2 kΩ (222)
R2	7030000420	Resistor	MCR10EZHJ 2.2 kΩ (222)
	4030001140	Ceramic	GRM40 F 103Z 50PT
C1		Ceramic	
C2	4030001140		GRM40 F 103Z 50PT
C3	4030001140	Ceramic	GRM40 F 103Z 50PT
C4	4030001140	Ceramic	GRM40 F 103Z 50PT
DS1	1170000150	LED	GL-480
DS2	1170000150	LED	GL-480
DS3	1170000150	LED	GL-480
EP1	0910022873	P.C. Board	B 2210C (SENSOR)

[MIC UNIT]

REF. NO.	ORDER NO.	DESCRIPTION		
EP1	0910006331	P.C. Board	B 792A (MIC)	

[VR UNI	[VR UNIT]				
REF. NO.	ORDER NO.	a	ESCRIPTION		
Q1	1530000940	Transistor	2SC1571G		
Q2	1530000591	Transistor	2SC2785 EL		
Q3	1590000340	Transistor	RN1202		
Q4	1590000340	Transistor	RN1202		
Q5	1590000310	FET	2SJ105-GR		
Q6	1590000350	Transistor	RN1204		
Q7	1590000370	Transistor	RN2204		
Q8	1530000591	Transistor	2SC2785 EL		
Q9	1530000591	Transistor	2SC2785 EL		
Q10	1530000591	Transistor	2SC2785 EL		
Q11	1530000591	Transistor	2SC2785 EL		
D1	1710000580	Diode	1SS265		
D2	1710000580	Diode	1SS265		
D4	1710000160	Diode	188133		
L1	6180000960	Coil	LAL 03NA 102K		
R1	7210001790	Variable Resisto	rRV-163(RK1242320) 10KBX2/10KC		
			[AF/SQL(MAIN)]		
R2	7210001790	Variable Resisto	r RV-163(RK1242320)		
			10KBX2/10KC		
			[AF/SQL(SUB)]		
R3	7210001800	Variable Resisto	r RV-164(RK1242320)		
			10KB/1KB/10KC		
			[TONE/RF]		
R4	7210001810	Variable Resisto	rRV-165(RK124221) 10KBX2		
			[MIC/RF PWR]		
R5	7010004190	Resistor	R20J 1 kΩ		
R6	7010003480	Resistor	ELR20J 4.7 kΩ		
R7 R8	7010003660	Resistor	ELR20J 100 kΩ		
R9	7010004030 7010004190	Resistor Resistor	R20J 47 Ω R20J 1 kΩ		
R10	7010004190	Resistor	ELR20J 22 kQ		
R11	7010003380	Resistor	ELR20J 1 kΩ		
R12	7010003530	Resistor	ELR20J 10 kQ		
R13	7010003420	Resistor	ELR20J 1.5 kQ		
R14	7010003390	Resistor	ELR20J 820 Ω		
R15	7010003440	Resistor	ELR20J 2.2 kΩ		
R17	7010003480	Resistor	ELR20J 4.7 kΩ		
R19	7010004410	Resistor	R20J 47 kΩ		
R20	7010004270	Resistor	R20J 4.7 kΩ		
R21	7010004320	Resistor	R20J 10 kΩ		
R22	7010004190	Resistor	R20J 1 kΩ		
R23	7010004320	Resistor	R20J 10 kΩ		
R24	7010003380	Resistor	ELR20J 470 Ω		
R25	7010003360	Resistor	ELR20J 470 Ω		
R26	7010004320	Resistor	R20J 10 kΩ		
R27	7010004490	Resistor	R20J 220 kΩ		
R28	7010003400	Resistor	ELR20J 1 kΩ		
R29 R30	7010003400 7010003660	Resistor Resistor	ELR20J 1 kΩ		
R31	7010003680	Resistor	ELR20J 100 kΩ ELR20J 1 kΩ		
R32	7010003400	Resistor	ELR20J 1 kΩ ELR20J 1 kΩ		
R33	7010003400	Resistor	R20J 3.3 kΩ		
1100	. 3 10004250	, 16313(0)	11200 0.0 Ng		
C1	4040000150	Barrier Layer	UAT 05X 472K		
C2	4510001730	Electrolytic	50 RBP 0.47 μF		
СЗ	4510004160	Electrolytic	10 MV 220 HW		
		-			



[VR UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C4	4040000250	Barrier Layer	UAT 08X 473M
C5	4510003880		10 MV 47 HW
Ce	4510003940	Electrolytic	25 MV 4R7 HW
C7	4510003940	Electrolytic	25 MV 4R7 HW
C8	4510003800	Electrolytic	25 MV 4R7 SW
C11	4510003940	Electrolytic	25 MV 4R7 HW
C12	4510003890	Electrolytic	16 MV 10 HW
C13	4510004160	Electrolytic	10 MV 220 HW
C15	4510003890	Electrolytic	18 MV 10 HW
C16	4510004160	Electrolytic	10 MV 220 HW
C17	4040000280	Barrier Layer	
C18	4040000280	Barrier Layer	UZE 08X 104M
S1	2220000420	Switch	ESD11H120
EP1	0910024004	P.C. Board	B 2307D (VR)

[LED UNIT]

REF. NO.	ORDER NO.		DESCRIPTION	
Q1	1590000350	Transistor	RN1204	
D1 D2	1710000180 1710000180	Diode Diode	1SS133 1SS133	
R1 R2 R3 R4 R5 R6 R7 R8 R9	7010003420 7010004160 7010004160 7010004210 7010003530 7010003550 7010004320 7010003550 7010004170 7010004130	Resistor	ELR20J 1.5 kΩ R20J 580 Ω R20J 580 Ω R20J 1.5 kΩ ELR20J 1.5 kΩ ELR20J 15 kΩ R20J 10 kΩ ELR20J 15 kΩ R20J 15 kΩ R20J 880 Ω R20J 330 Ω	
DS1 DS2 DS3 DS4 DS5	5040001430 5040001460 5040001480 5040001430 5040001420	LED LED LED LED LED P.C. Board	SLB-25VR 3F SLB-25MG 3F SLB-25MG 3F SLB-25VR 3F SPB-25MVW F	

[CONT UNIT]

NO.		DESCRIPTION
6140001220	Coil	LR-147
4010004440	Ceramic	DE7090 B 102K VA1 -KC
4010004440	Ceramic	DE7090 B 102K VA1 -KC
	6140001220 4010004440	6140001220 Coil 4010004440 Ceramic

[SW-REG UNIT]

	OBDER		West of the second seco
REF. NO.	ORDER NO.		DESCRIPTION
IC1	1710000320	Photo Interrupte	er N110
IC2	1110000190	IC	μPC1042C
	1		
Q1	1510000050	Transistor	2SA1015-Y
Q2	1530002160	Transistor	2SC3162
Q3	1530002180 1530000750	Transistor	2SC3162 2SC2307
Q4 Q5	1530000750	Transistor Transistor	2SC2307 2SC2307
	1.00000700	112.10.0.0	200200
			10000
D1 D2	1790000190 1710000350	Diode Diode	KBPC806 1N4002
D3	1710000350	Diode	1N4002 1N4002
D4	1710000690	Diode	FML-32S
D5	1710000690	Diode	FML-32S
L2	6140000460	Coil	LR-66
L3	6140000470	Coil	LR-67
L4	6180000280	Coil	LB4-102J
L5 L6	6140000450 5920000080	Coil Coil	LR-65A TC-2A
L8	5920000120	Coil	TI-5
R1	7010004800	Resistor	R50XJ 68 kΩ
R2	7010004800	Resistor	R50XJ 68 kΩ
R3	7010004810	Resistor	R50XJ 150 kΩ
R4	7010001380	Resistor	R25XJ 68 kΩ
R5 R6	7100000120	Resistor Resistor	SRW2P 3 Ω (3R0) ELR25J 33 Ω
R7	701000130	Resistor	R25XJ 3.3 kΩ
R9	7010000500	Resistor	ELR25J 10 kΩ
R10	7010000450	Resistor	ELR25J 4.7 kΩ
R11 R12	7010000330 7010004800	Resistor Resistor	ELR25J 470 Ω R50XJ 68 kΩ
R13	7010004800	Resistor	R50XJ 68 kΩ
R14	7310000970	Trimmer	EVN5AC A00B14 (103)
R15	7010000520	Resistor	ELR25J 15 kΩ
R16	7010000450 7010000450	Resistor Resistor	ELR25J 4.7 kΩ ELR25J 4.7 kΩ
R18	7010000450	Resistor	ELR25J 4.7 kΩ
R19	7310000990	Trimmer	EVN5AC A00BQ4 (473)
R20 R21	7010000500 7010000480	Resistor Resistor	ELR25J 10 kΩ ELR25J 6,8 kΩ
R22	7010000440	Resistor	ELR25J 3.9 kΩ
R23	7010000670	Resistor	ELR25J 220 kΩ
R24	7010000500 7010000330	Resistor Resistor	ELR25J 10 kΩ ELR25J 470 Ω
R25 R26	8930003890	Resistor	PX308
R27	7010000520	Resistor	ELR25J 15 kΩ
R28	7010000090	Resistor	ELR25J 4.7 Ω
R29 R30	7010000090 7010000870	Resistor Resistor	ELR25J 4.7 Ω R25XJ 4.7 Ω
R31	7010000870	Resistor	R25XJ 4.7 Ω
R32	7010000950	Resistor	R25XJ 22 Ω
R33	7010000950	Resistor	R25XJ 22 Q
R34 R35	7080000100 7070000260	Resistor Resistor	RSF3B 100 ΩJ CRH200 R-02J 22 Ω (220)
R36	7070000240	Resistor	CRH100X R-02J 3.9 Ω (3R9)
R37	7540000030	Absorber	ERZC07DK431
C1	4010004240	Ceramic	DE7100 F 222M VA1 -KC
C2	4010004240	Ceramic	DE7100 F 222M VA1 -KC
C3	4010004130	Ceramic	DD09 B 222K 500V
C4 C5	4010004130 4010004130	Ceramic Ceramic	DD09 B 222K 500V DD09 B 222K 500V
C6	4010004130	Ceramic	DD09 B 222K 500V DD09 B 222K 500V
C7	4510000350	Electrolytic	CS042DRT681
00	454000000	Place 1	(HPF2 00 680 μF)
C8	4510000350	Electrolytic	CS042DRT681 (HPF2 00 680 µF)
C9	4510002780	Electrolytic	16 SS 10 μF
C10	4010000530	Ceramic	DD112 B 103K 50V
C11 C12	4010000530 4510002900	Ceramic Electrolytic	DD112 B 103K 50V 25 SS 470 μF
U.E.	7515552800	Liectronytic	20 00 470 μΓ



[SW•REG UNIT]

REF. NO.	ORDER NO.		DESCRIPTION
C13	4030001210	Ceramic	C5650 Y5V 1H 684Z
C14	4510000570	Electrolytic	16 MS 2200 μF
C15	4010004440	Ceramic	DE7090 B 102K VA1 -KC
C16	4010004440	Ceramic	DE7090 B 102K VA1 -KC
C17	4010004210	Ceramic	DD63 YZ 203Z 500V
C18	4510000080	Electrolytic	250 RHJ 33 μF
C19	4510000080	Electrolytic	250 RHJ 33 μF
C20	4010004240	Ceramic	DE7100 F 222M VA1 -KC
C21	4010000520	Ceramic	DD108 B 472K 50V
C22	4310000010	Mylar	F2D 50V 102K
C23	4510003050	Electrolytic	TMG 2G 335K
			(DC400V 3.3 μF)
C24	4010004130	Ceramic	DD09 B 222K 500V
C25	4010004130	Ceramic	DD09 B 222K 500V
C26	4010004130	Ceramic	DD09 B 222K 500V
C27	4010004470	Ceramic	DD12 B 472K 500V
C28	4010004210	Ceramic	DD63 YZ 203Z 500V
C29	4010000410	Ceramic	DD107 SL 331J 50V
C30	4510000090	Electrolytic	ECEA16Z470
C31	4510000090	Electrolytic	ECEA16Z470
C32	4510000090	Electrolytic	ECEA16Z470
C33	4510000090	Electrolytic	ECEA16Z470
C34	4510002840	Electrolytic	25 SS 10 μF
C35	4010004650	Ceramic	DD410 SR 224M 12V
C36	4010004650	Ceramic	DD410 SR 224M 12V
C37	4310000060	Mylar	F2D 50V 223K
RL1	6330000200	Relay	VS-12TBN-E



SECTION 4 **ADJUSTMENT PROCEDURES**

4-1 PREPARATION BEFORE SERVICING

REQUIRED TEST EQUIPMENT

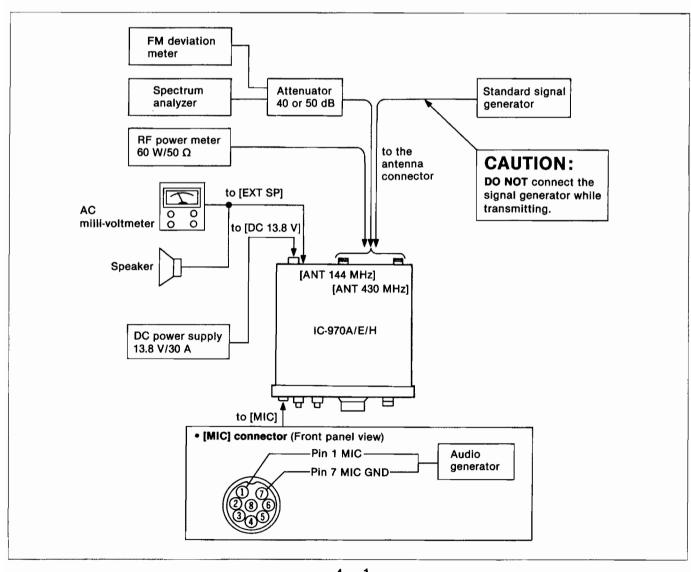
EQUIPMENT	GRADE A	ND RANGE	EQUIPMENT	GRADE AND RANGE		
DC power supply		: 13.8 V DC : 20 A or more	DC voltmeter	Input impedance : 50 kΩ/DC or bette		
RF power meter	· · · · · · · · · · · · · · · · · · ·	1~60 W	AC milli-voltmeter	Measuring range : 10 mV~10 V		
nr power meter	Frequency range	0.1~500 MHz	External speaker	Impedance :8Ω		
		: 50 Ω : Less than 1.2 : 1	Ammeter	Measuring range : 1 A and 20 A		
Frequency counter	Frequency range	0.1~470 MHz	I. AWA. FAIL			
	Frequency accuracy Sensitivity	± 1 ppm or better 100 mV or better	Audio generator (AG)	Frequency range : 300~3000Hz Output level : 1~500 mV		
RF voltmeter		0.1~470 MHz 0.01~10 V	Attenuator	Power attenuation : 40 or 50 dB Capacity : 60 W or more		
Standard signal	Frequency range :	0.1~470 MHz				
generator (SSG)	Output level : -127~-17 dBm (0.1 μV~32 mV)		Spectrum analyzer	Frequency minimum: At least 1000 MHz Spectrum bandwidth: ± 100 kHz or more		
Oscilloscope		DC~20 MHz 0.01~10 V	FM deviation meter	Frequency minimum: 470 MHz Measuring range : 0~10 kHz		

CW: clockwise

CCW: counterclockwise

CP: check point

CONNECTION



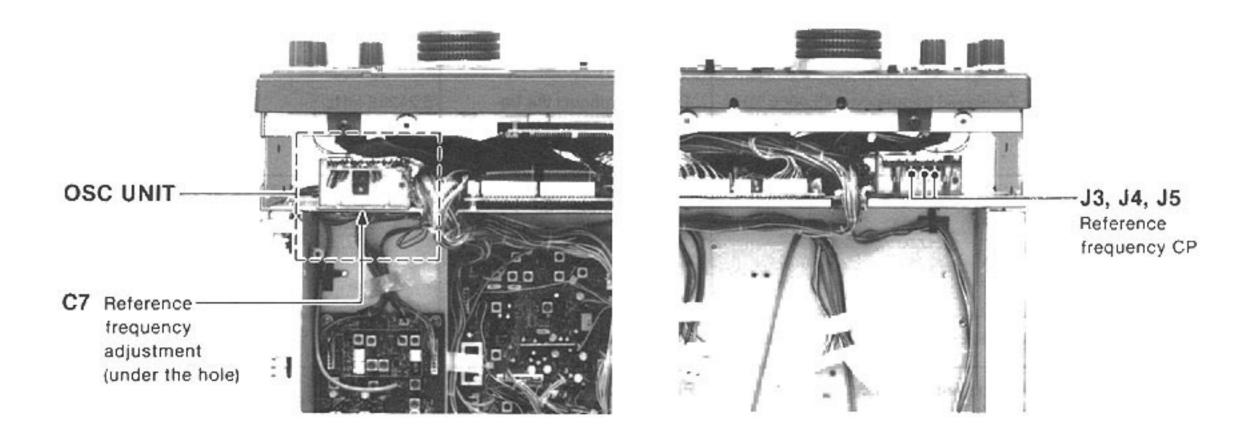


4-2 PLL-A ADJUSTMENT

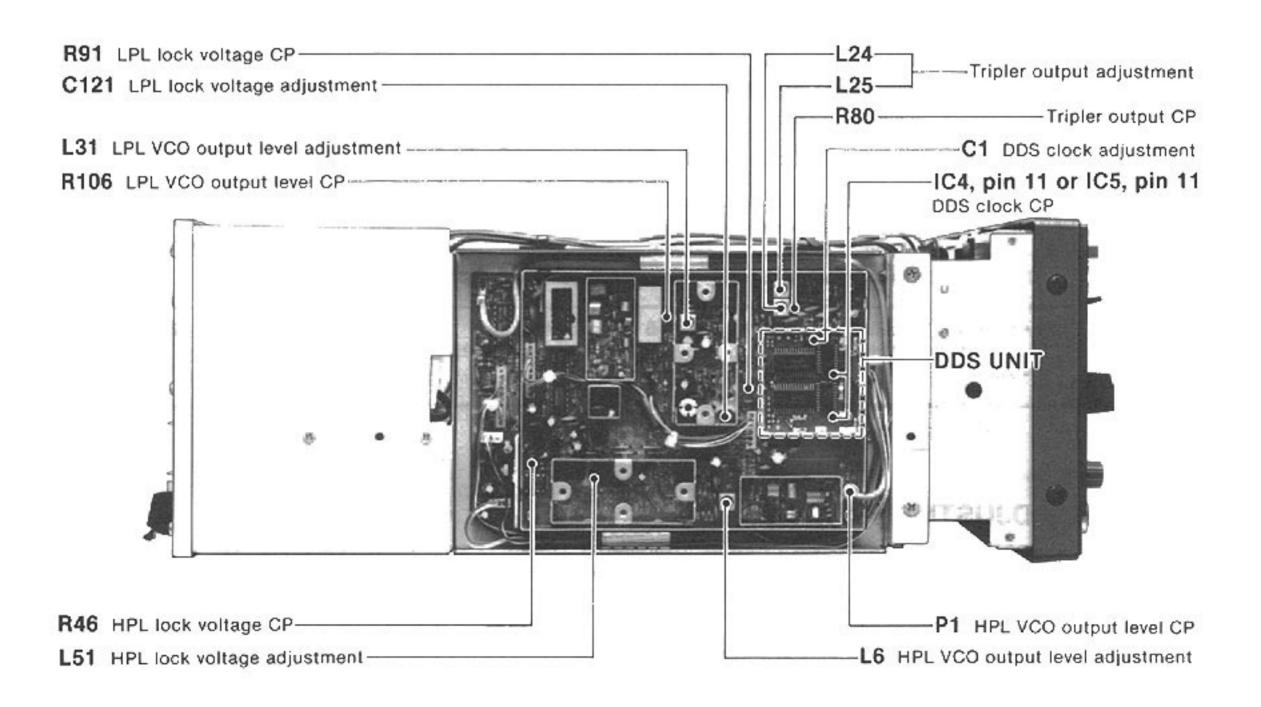
ADJUSTMEN	JT.	ADJUSTMENT CONDITIONS	N	MEASUREMENT	VALUE		STMENT DINT
ADSOCIME	••	ADJOSTMENT GONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
REFERENCE FRE- QUENCY	1	Displayed frequency: 145.0000 MHz Mode : USB Receiving	osc	Connect the frequency counter to J3, J4 or J5.	30.2 MHz	OSC(B)	C7
TRIPLER OUTPUT	1	Displayed frequency: 145.0000 MHz Mode : USB	PLL-A	Connect the RF volt- meter to R80.	Maximum level (Approx. 141 mVrms)	PLL-A	L24, L25
DDS CLOCK	1	Displayed frequency: 145.0000 MHz Mode : USB	DDS	Connect the frequency counter to IC4, pin 11 or IC5, pin 11.	5.24288 MHz	DDS	C1
LPL LOCK VOLTAGE	1	Displayed frequency: 144.0500 MHz Mode : FM	PLL-A	Connect the DC volt- meter to R91.	1.0 V	PLL-A	C121
	2	Displayed frequency: 144.0490 MHz Mode : FM			Approx. 1.2 V		Verify
LPL VCO OUTPUT LEVEL	1	Displayed frequency: 145.0000 MHz Mode : FM	PLL-A	Connect the RF volt- meter to R106.	Approx. 0.18 Vrms	PLL-A	L31
HPL LOCK VOLTAGE	1	Displayed frequency: 146.0000 MHz Mode : FM	PLL-A	Connect the DC volt- meter to R46.	3.0 V	PLL-A	L51
	2	Displayed frequency: 136.0000 MHz Mode : FM			Approx. 2.0 V		Verify
	3	Displayed frequency: 174.0000 MHz Mode : FM			Approx. 6.5 V		Verify
HPL VCO OUTPUT LEVEL	1	Displayed frequency: 145.0000 MHz Mode : FM	PLL-A	Terminate P1 to a ground with a 50 Ω resistor. Connect the RF voltmeter to P1.	More than 0 dBm	PLL-A	L6
	2	After adjustment, remove the resistor from	m P1 and	re-plug P1.	- Or a		



OSC UNIT



PLL-A UNIT





4-3 PLL-B ADJUSTMENT

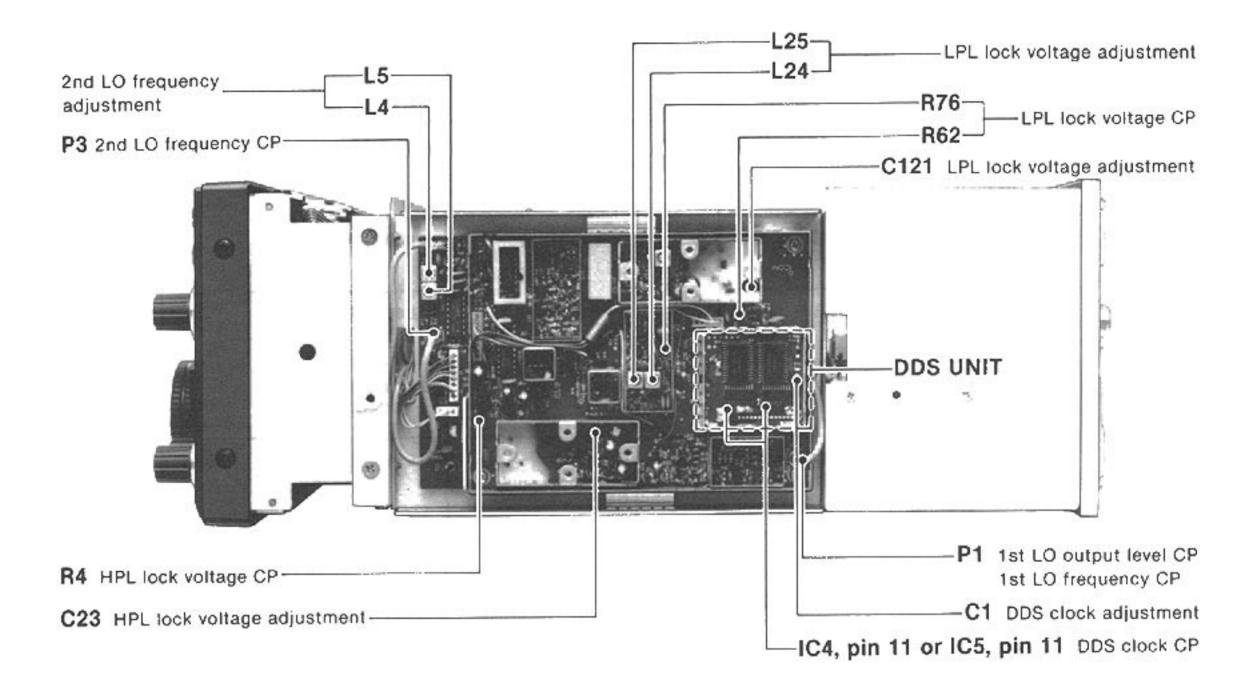
45		AD HIGH SONDITIONS	N	IEASUREMENT	VALUE	ADJU	STMENT
ADJUSTMEN	N 1	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
DDS CLOCK	1	Displayed frequency: 145.0000 MHz Mode : USB	DDS	Connect the frequency counter to IC4 pin 11 or IC5 pin 11.	5.24288 MHz	DDS	C1
2ND LO FRE- QUENCY	1	Displayed frequency: 145.0000 MHz Mode : USB	PLL-B	Terminate P3 to a ground with a 50 Ω resistor. Connect the RF voltmeter to P3.	More than - 10 dBm	PLL-B	L4, L5
	2	After adjustment, remove the resistor fro	m P3 and	replug P3.			
LPL LOCK VOLTAGE	1	Displayed frequency: 430.0500 MHz Mode : FM	PLL-B	Connect the DC volt- meter to R62.	1.0 V	PLL-B	C121
	2	Displayed frequency: 430.0490 MHz Mode : FM			Approx. 1.15 V		Verify
	3			Connect the oscil- loscope to R76.	Maximum level		L25, L24
HPL LOCK VOLTAGE	1	Displayed frequency: 430.0000 MHz Mode : FM	PLL-B	Connect the DC volt- meter to R4.	2.0 V	PLL-B	C23
	2	Displayed frequency: 440.0000 MHz Mode : FM			Approx. 3.0 V		Verify
1ST LO OUT- PUT LEVEL	1	Displayed frequency: 435.0000 MHz	PLL-B	Terminate P1 to ground with a 50 Ω resistor. Connect the RF voltmeter to P1.	More than 0 dBm	PLL-B	Verify
	2	After adjustment, remove the resistor from	m P1 and	replug P1.			
1ST LO FRE- QUENCY	1	Turn power ON and wait at least 5 minute	es before	adjustment.		•	
	2	Displayed frequency: 440.0000 MHz (MAIN band) Mode : FM	PLL-B	Connect the frequency counter to P1.	368.7500 MHz	OSC (B)	C7

4-4 RF-A ADJUSTMENT

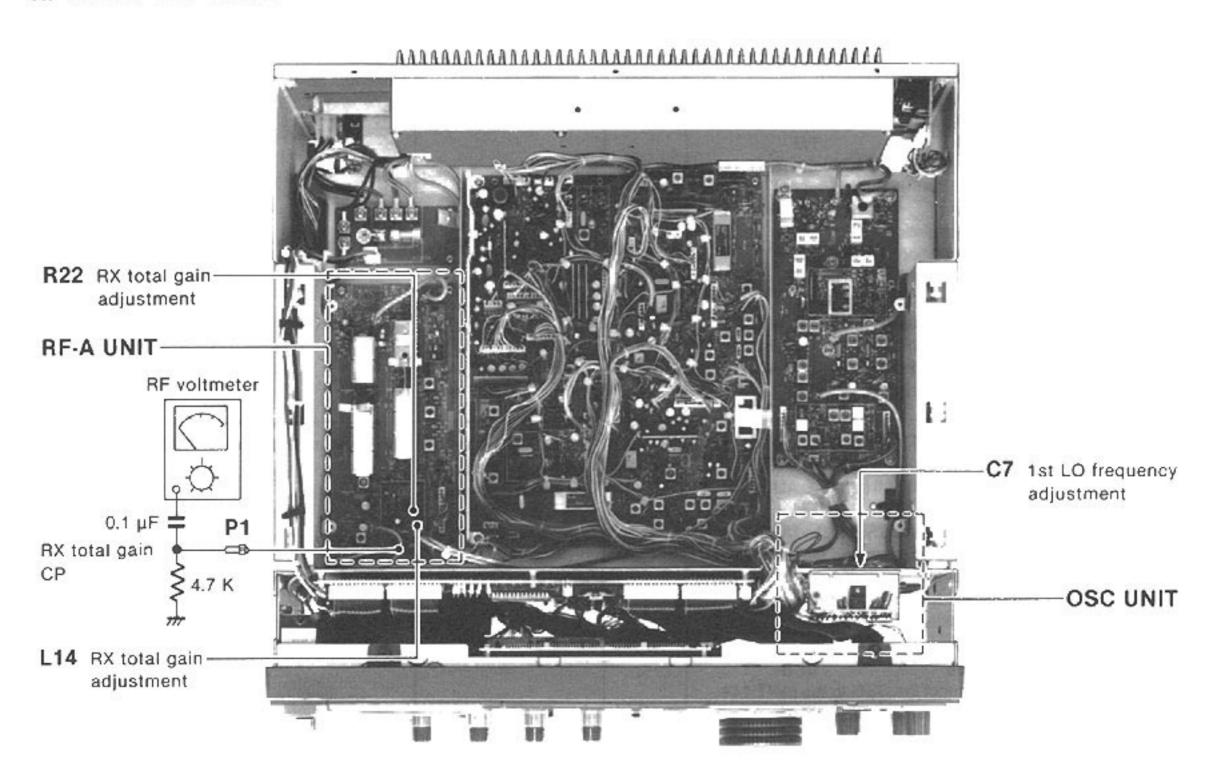
"			N	IEASUREMENT		ADJU	STMENT
ADJUSTME	NT	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
RX TOTAL GAIN	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 148.0000 MHz (USA, AUS) Mode : USB	RF-A	Connect the RF volt- meter to P1 as shown in the diagram.	Maximum level	RF-A	L14
.	2	Connect the SSG to the [ANT 144 MHz] connector and set as: Level : - 30 dBm R22 :Max. CW			– 12 dBm		R22

for free by Radio Amateur, eu

PLL-B UNIT



RF-A AND OSC UNITS



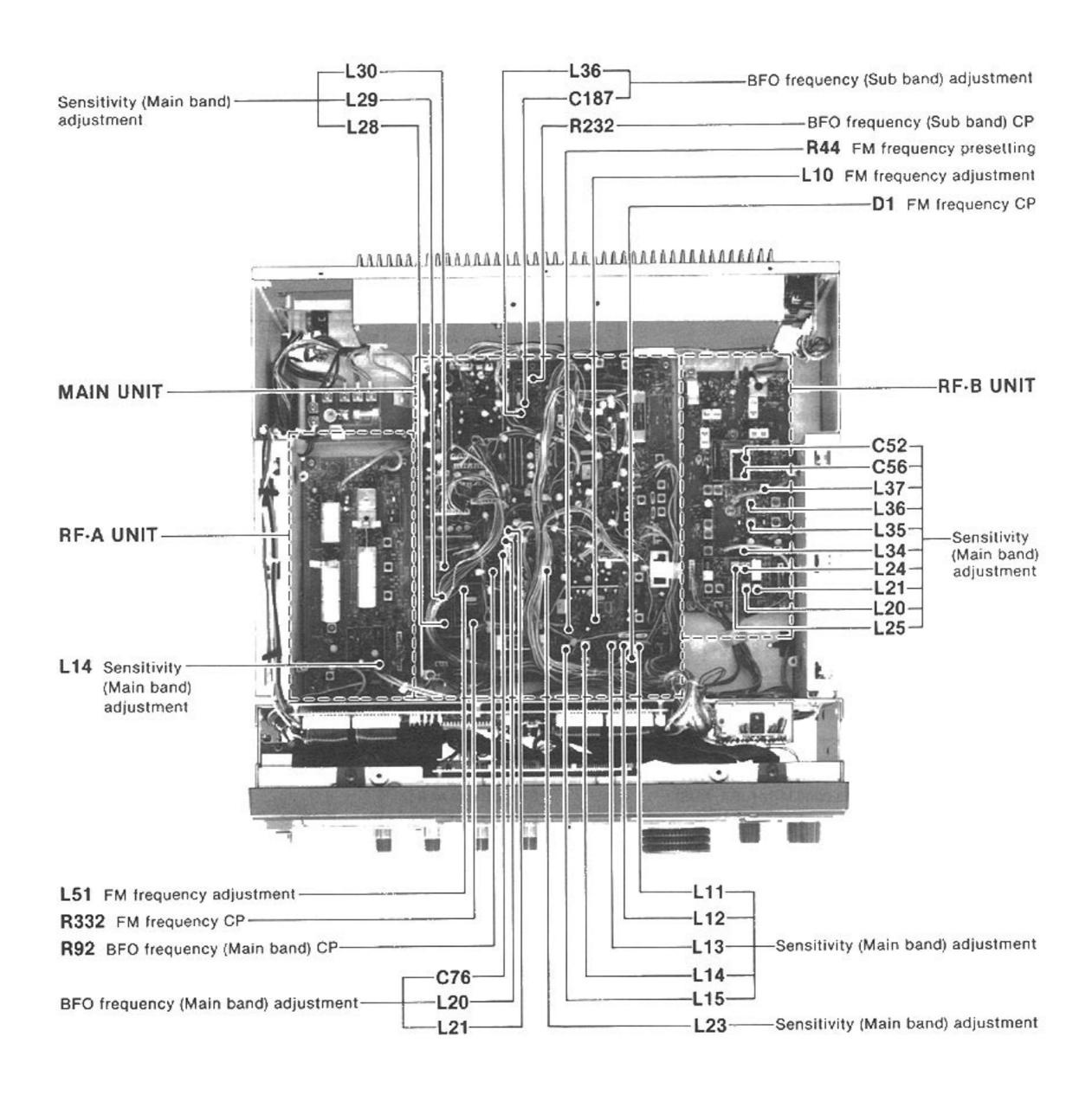


4-5 RECEIVER ADJUSTMENT

	_	AD HIGHENT CONDITIONS	М	EASUREMENT VALUE			STMENT DINT
ADJUSTMEN	ı	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
BFO FRE- QUENCY (MAIN BAND)	1	Displayed frequency: 144.0000 MHz Mode : LSB Receiving	MAIN	Connect the frequency counter to R92.	10.8515 MHz	MAIN	C76
	2	Mode : CW Transmitting			10.8491 MHz		L20
	3	Mode : USB Receiving			10.8485 MHz		L21
	4	Mode : CW Receiving			10.8483 MHz (± 150 Hz)	Verify	
BFO FRE- QUENCY (SUB BAND)	1	Displayed frequency: 144.0000 MHz Mode : LSB Receiving	MAIN	Connect the frequency counter to R232.	10.9515 MHz	MAIN	C187
2 • Mode : USB • Receiving 3 • Mode : CW • Receiving				10.9485 MHz		L36	
		10.9483 MHz (± 150 Hz)		Verify			
FM FRE- QUENCY (ONLY FOR MAIN BAND)	1	Displayed frequency: 144.0000 MHz Mode : FM R44 : Max. CW Transmitting	MAIN	Connect the frequency counter to D1.	10.8500 MHz	MAIN	L10
MAIN BAND)	2	Transmung	i de la companya de l	Connect the frequency counter to R332.	10.3950 MHz		L51
SENSITIVITY	1	Displayed frequency:	Front	S-meter	Maximum level	Adjust in	sequence
(MAIN BAND)	•	145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) • Mode : FM	panel	· moter		RF-A	L14
	2	Connnect the SSG to the [ANT 144 MHz] connector and set as: Level : 3.2 μV* (-97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz				MAIN	L11, L12, L13, L14, L15
	3	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector.				RF-B	C56, C52, L37, L36, L35, L34, L25, L24, L21, L20
	4	 Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 3.2 μV* (-97 dBm) Modulation : 1 kHz Deviation : 5 kHz 	Rear panel	Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load.	Maximum audio output level	MAIN	L23
	5	Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 0.1 µV* (-127 dBm) Modulation : OFF					Adjust in sequence L28, L29, L30

^{*} This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

MAIN, RF-A AND RF-B UNITS





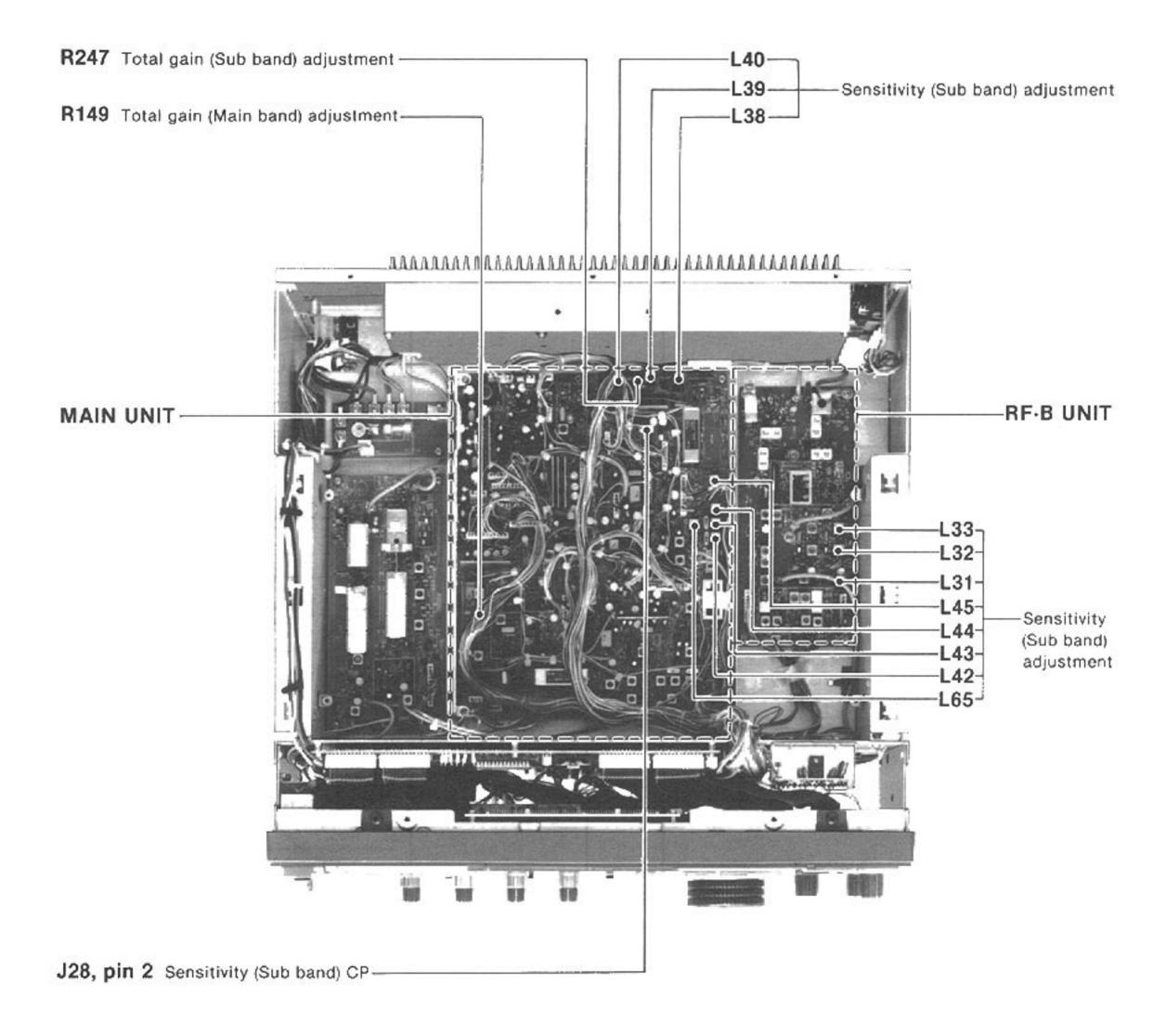
RECEIVER ADJUSTMENT (CONTINUED)

ADJUSTMEN	JT.	ADJUSTMENT CONDITIONS	N	IEASUREMENT	VALUE		STMENT DINT
ADJOSTMEN	••	ADJUSTIMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
SENSITIVITY (SUB BAND)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode: FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 3.2 µV* (-97 dBm) Modulation: 1 kHz Deviation: 3.5 kHz	MAIN	Connect the DC voltage meter to J28, pin 2.	Maximum level	Adjust in	sequence. L42, L43, L65, L44, L45
	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector.	RF-B	L33, L32, L31				
	3	Displayed frequency: 145.0000 MHz (EUR, SWE) 148.0000 MHz (USA, AUS) Mode: USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 0.1 μV* (-127 dBm) Modulation: OFF	Rear panel	Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load.	Maximum audio output level	MAIN	Adjust in sequence L38, L39, L40
TOTAL GAIN (MAIN BAND)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level S0 μV* (-73 dBm) Modulation CFF	Rear panel	Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load.	0 dB	Front panel	[AF] control
	2	• SSG Level :OFF			- 20 dB	MAIN	R149
TOTAL GAIN (SUB BAND)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode: USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 50 μV* (-73 dBm) Modulation: OFF	Rear panel	Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load.	0 dB	Front panel	[AF] control
	2	• SSG Level :OFF			- 20 dB	MAIN	R247

^{*} This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



MAIN AND RF-B UNITS





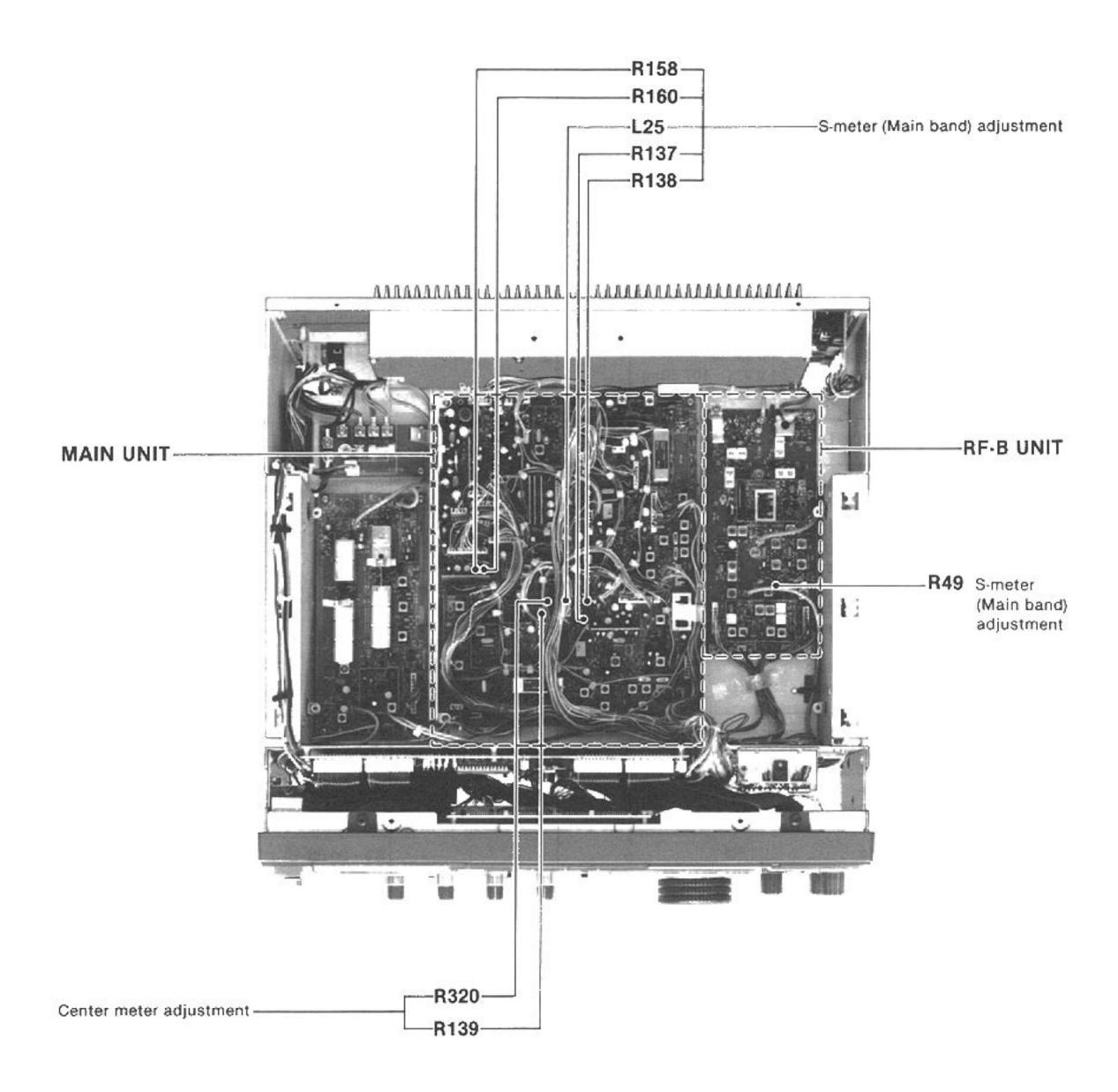
RECEIVER ADJUSTMENT (CONTINUED)

	_	AD HIGHEST COMPITIONS	M	EASUREMENT	VALUE		STMENT DINT
ADJUST MEN	IT	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
CENTER METER (ONLY FOR MAIN BAND)	1	 Displayed frequency: 145.0000 MHz Mode : FM [S*RF/C*ALC] switch: IN (Center meter) Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 32 μV* (-77dBm) Modulation : 1 kHz Deviation : 3.5 kHz Slowly rotate the main dial counterclockwise and stop the main dial when the indicator needle reaches the maximum right position. Receiving 	Front panel	Center meter	80%	MAIN	R320
	2	• SSG Level :OFF			Center	MAIN	R139
	3	Repeat steps 1 and 2 several times.					
	4	SSG Level :32 μV* (-77dBm) Rotate the main dial.	Front panel	Center meter	30~80%		Verify
S-METER (MAIN BAND)	1	 Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [S•RF/C•ALC] switch: OUT (S-meter) Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 3.2 μV* (-97 dBm) Modulation : OFF 	Front panel	S-meter	S9	MAIN	R160
	2	• SSG Level : 1 mV* (-47 dBm)			S9 + 60 dB (Full scale)		R158
	3	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 1 µV* (-107 dBm) Modulation : 1 kHz Deviation : 3.5 kHz			Maximum level		L25
	4	• SSG Level : 3.2 μV* (– 97 dBm)			S9		R137
	5	• SSG Level : 0.1 mV* (-67 dBm)			S9 + 60 dB (Full scale)		R138
	6	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector and set as: Level: 3.2 µV* (-97 dBm) If the standard signal generator (SSG) is in			S9	RF-B	R49

^{*} This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



MAIN AND RF-B UNITS





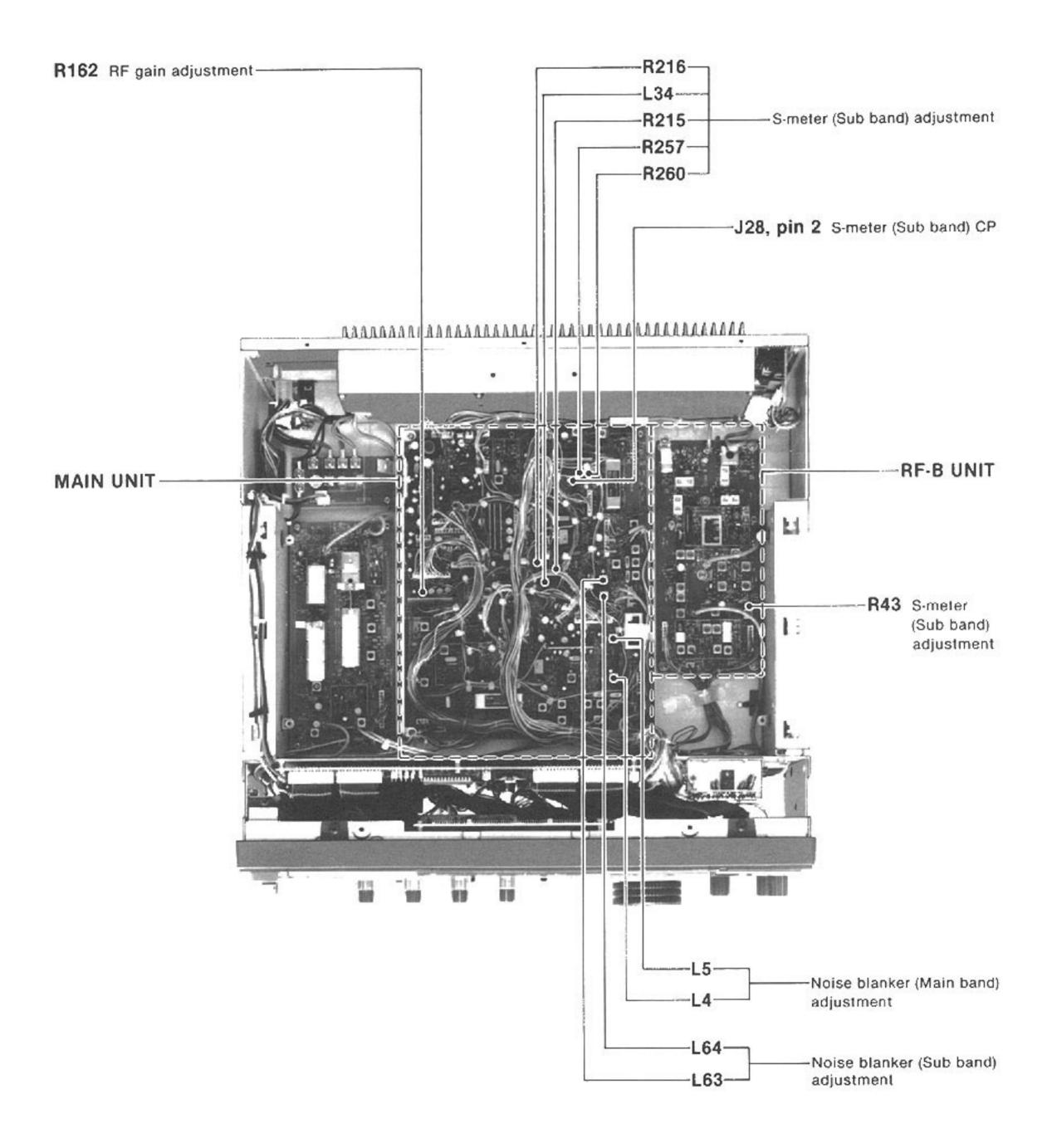
RECEIVER ADJUSTMENT (CONTINUED)

ADJUSTMEN	<u> </u>	AD II ISTMENT CONDITIONS	N	MEASUREMENT	VALUE		STMENT
ADJUSTMEN	"	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
S-METER (SUB BAND)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode: USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 3.2 µV* (-97 dBm) Modulation: OFF	Front panel	S-meter	S9 SUB METER	MAIN	R260
	2	• SSG Level : 1 mV* (-47 dBm)			S9 + 60 dB (Full scale)		R257
	3	Mode: FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 1 µV* (-107 dBm) Modulation: 1 kHz	MAIN	Connect the DC voltmeter to J28, pin 2.	Maximum level	MAIN	L34
	4	• SSG Level : 3.2 μV* (-97 dBm)	Front panel	S-meter	S9	MAIN	R215
	5	• SSG Level : 0.1 mV* (~67 dBm)	parier		S9 + 60 dB (Full scale)		R216
	6	 Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 430 MHz] connector and set as: Level : 3.2 μV* (-97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz 			S9	RF-B	R43
RF GAIN (ONLY FOR MAIN BAND	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 148.0000 MHz (USA, AUS) Mode : USB [RF GAIN] control : Max. CCW	Front panel	S-meter	S9 + 60 dB (Full scale)	MAIN	R162
	2	Mode: FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level: 32 µV* (-77 dBm) Modulation: OFF [RF GAIN] control: Max. CCW			S9 + 20 dB		Verify
NOISE BLANKER (MAIN BAND)	1	 Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [NB] switch : ON (IN) Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 3.2 μV* (-97 dBm) Apply the following pulse noise to the [ANT 144 MHz] connector. 100 msec. 	Top panel	Speaker	Minimum noise level	MAIN	L4, L5
(SUB BAND)	2	Same conditions as described above.			Minimum noise level	MAIN	L63, L64

^{*} This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



MAIN AND RF-B UNITS





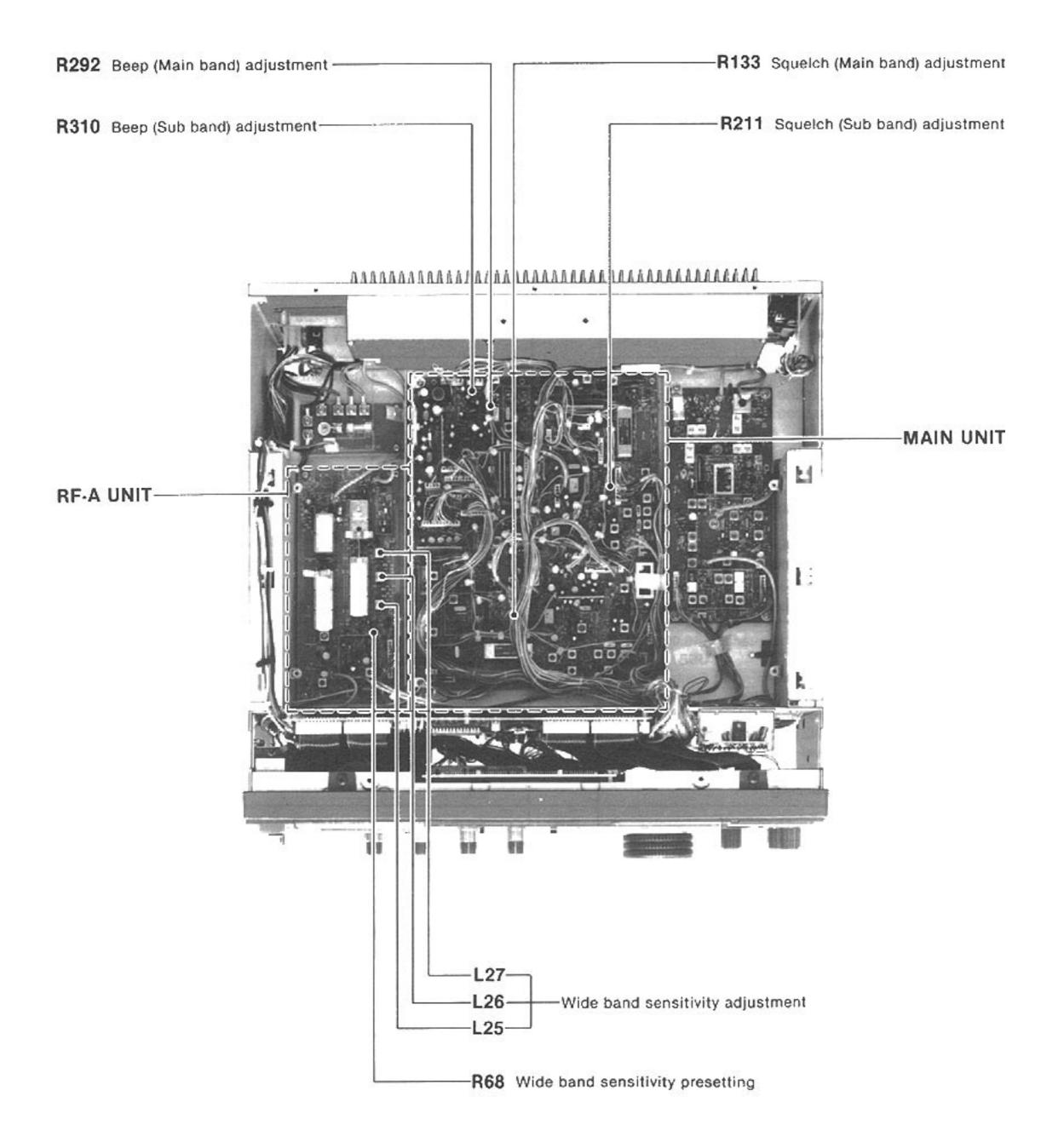
RECEIVER ADJUSTMENT (CONTINUED)

				N	IEASUREMENT		ADJUSTMENT	
ADJUSTMEN	IT	ADJUSTMENT CONDITIONS		UNIT	LOCATION	VALUE	UNIT	ADJUST
SQUELCH (MAIN AND SUB BANDS)	1	Mode Receiving no signal	: USB			Squelch closes near the 9:30 position of the [SQUELCH] control.		Verify
	2	• Mode	: FM			Squelch closes near the 9 o'clock position of the [SQUELCH] con- trol.	MAIN	R133 for main band. R211 for sub band.
BEEP	1	• [AF] control	: 10 o'clock position	Rear panel	Connect the oscilloscope to the [EXT SP] jack with an 8 Ω load.	0.5 Vp-p	MAIN	R292 for main band. R310 for sub band.
WIDE BAND SENSITIVITY	1	Ground the lead of F on the RF-A unit. Connect the SSG to MHz] connector and	: FM R68 with the wire the [ANT 144 set as: μV* (– 97 dBm) Hz	Front panel	S-meter	Maximum level	RF-A	Adjust in sequence L27, L26, L25
	2	After adjustment, remo	ve the wire from F	168.	1			

^{*} This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.



MAIN AND RF-A UNITS



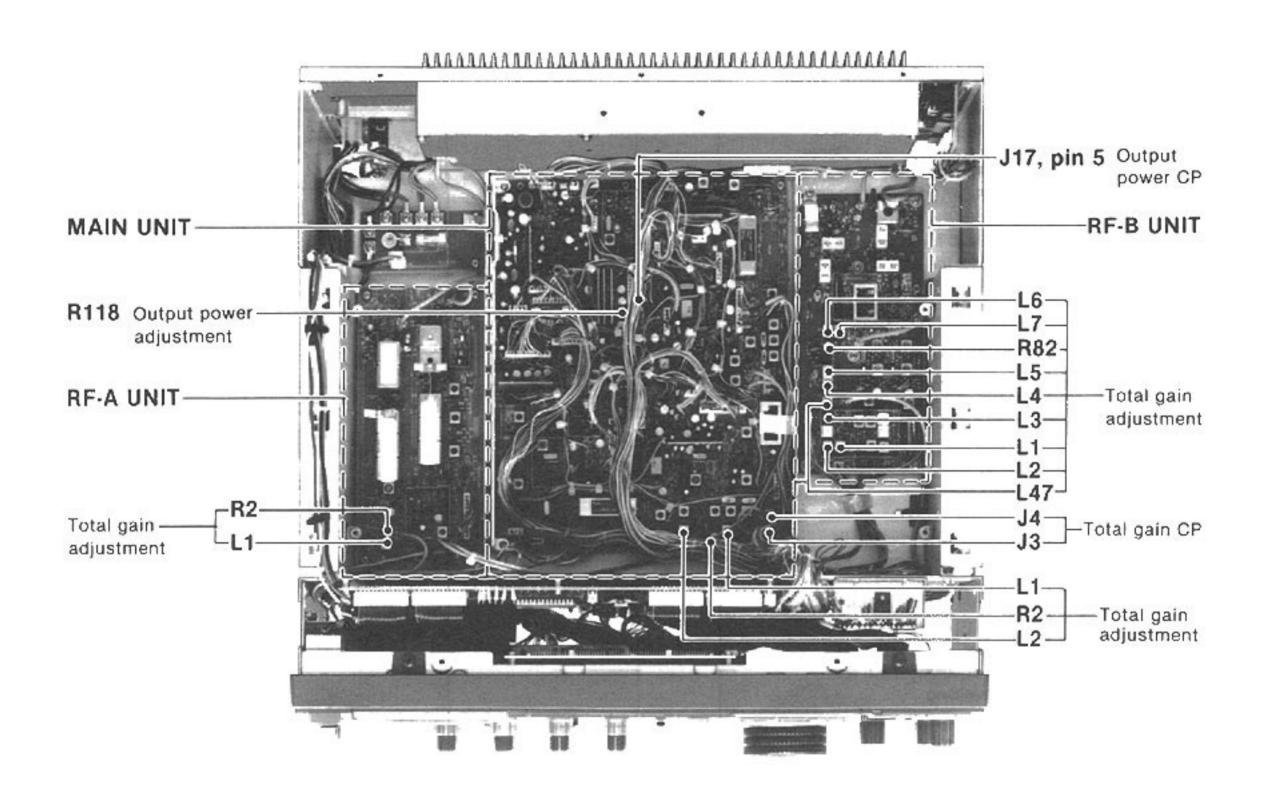


4-6 TRANSMITTER ADJUSTMENT

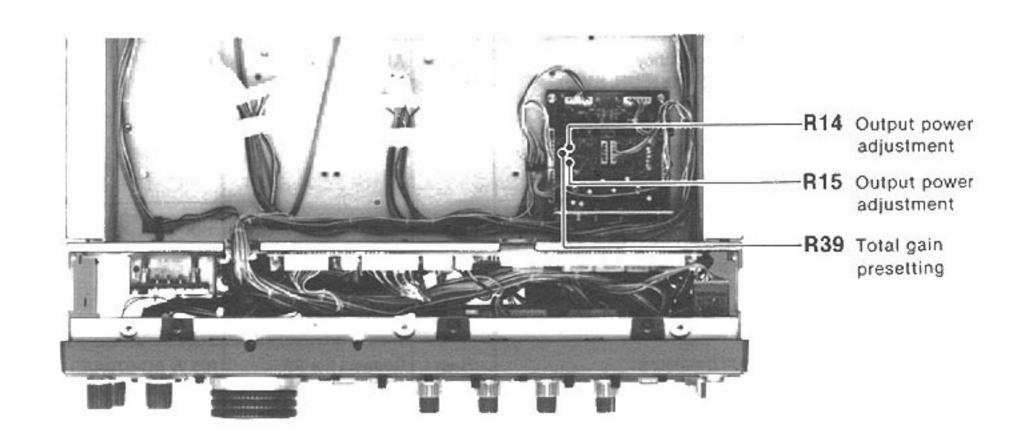
		_	M	EASUREMENT		ADJUSTMENT				
ADJUSTMEN	ΝT	ADJUSTMENT CONDITIONS	UNIT LOCATION		VALUE	UNIT	ADJUST			
TOTAL GAIN	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [MIC] control : Center Connect the AG to the [MICRO-PHONE] connector and set as: Level : 2 mV Modulation : 1.5 kHz	MAIN	Connect the RF volt- meter to J3 or J4.	Maximum level	MAIN	L1, L2			
	2	Transmitting			- 22 dBm		R2			
	3	Ground the lead of R39 on the CTRL unit with the wire. Connect the AG to the [MICRO-PHONE] connector and set as: Level : 2 mV	Rear panel	Connect the RF power meter to the [ANT 144 MHz] connector.	Maximum level	RF-A	L1			
	4	Modulation : 1.5 kHz Transmitting			13 W (IC-970A/E) 18 W (IC-970H)		R2			
	5	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Mode : USB Ground the lead of R39 on the CTRL unit with the wire. Connect the AG to the [MICRO-		Connect the RF power meter to the [ANT 430 MHz] con- ector.	Maximum level	RF-B	L1~L7, L47			
	6	PHONE] connector and set as: Level : 2 mV Modulation : 1.5 kHz • Transmitting			13 W (IC-970A/E) 16 W (IC-970H)		R82			
	7	After adjustment, remove the wire from R39.								
OUTPUT POWER	1	Displayed frequency: 146.0000 MHz Mode: USB [MIC] control: Center [RF PWR] control: Max. CW Connect the AG to the [MICRO-PHONE] connector and set as: Level: 20 mV Modulation: 1.5 kHz Transmitting	MAIN	Connect the DC volt- meter to J17, pin 5.	3.0 V	MAIN	R118			
	2	Displayed frequency: 148.0000 MHz (EUR, SWE) 148.0000 MHz (USA, AUS) Mode USB [MIC] control Center [RF PWR] control Max. CW Connect the AG to the [MICRO-PHONE] connector and set as: Level 20 mV Modulation 1.5 kHz Transmitting	Rear panel	Connect the RF power meter to the [ANT 144 MHz] connector.	25 W (IC-970A/E) 35 W (IC-970H)	CTRL	R15			
	3	Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS) Mode : USB [MIC] control : Center [RF PWR] control : Max. CW Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz Transmitting		Connect the RF pow- er meter to the [ANT 430 MHz] connector.	25 W (IC-970A/E) 30 W (IC-970H)		R14			



MAIN, RF-A AND RF-B UNITS



CTRL UNIT



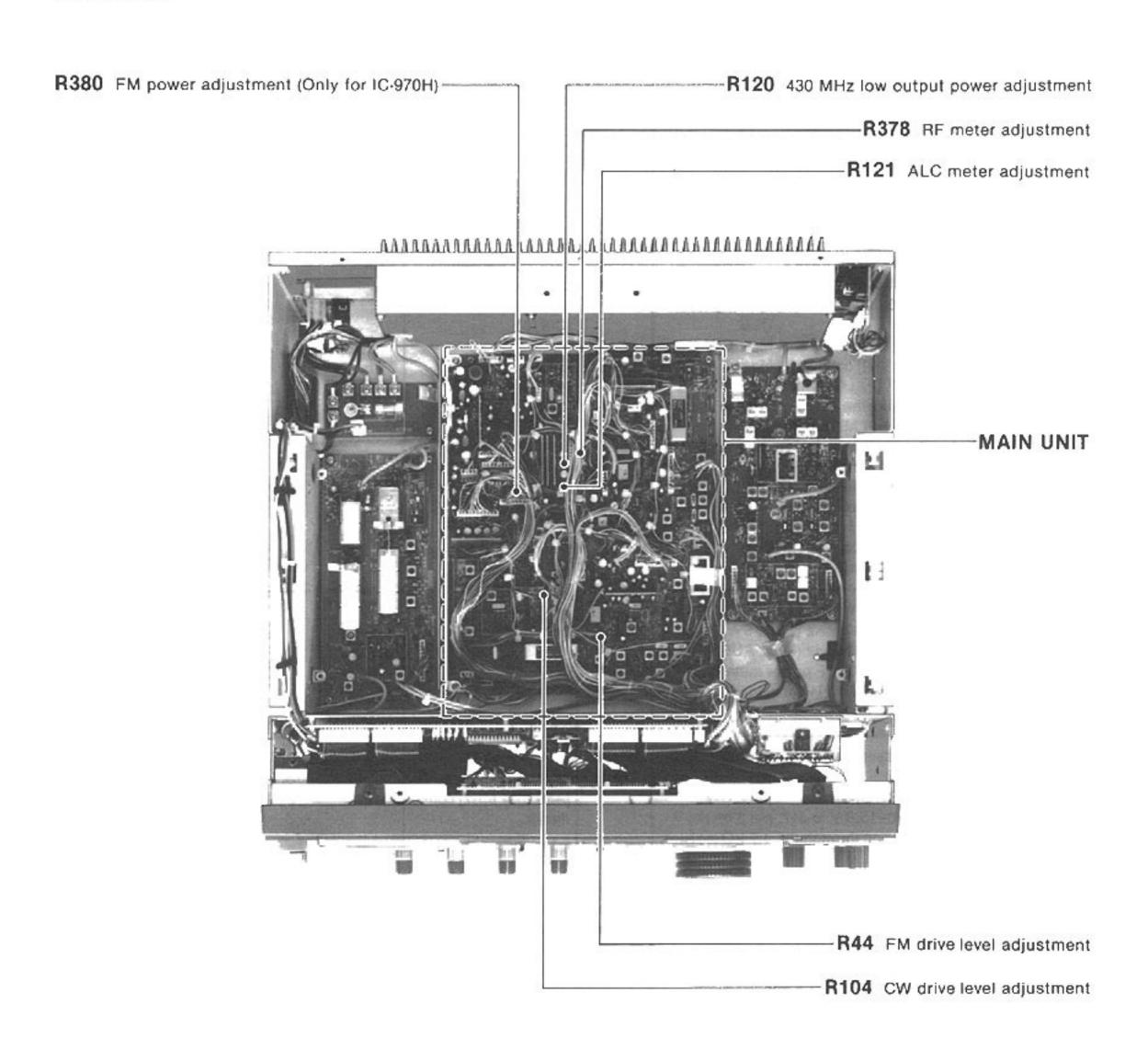


ADJUSTMENT		ADJUSTMENT CONDITIONS	N.	MEASUREMENT	VALUE	ADJUSTMENT POINT	
ADJUSTME	V I	AUGUSTMENT CONDITIONS	UNIT LOCATION		VALUE	UNIT	ADJUST
RF METER	1	Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS) Mode : USB [MIC] control : Center [RF PWR] control : Max. CW [S*RF/C*ALC] switch: OUT Connect the RF power meter to the [ANT 430 MHz] connector. Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz Transmitting	Front panel	RF meter	90%	MAIN	R378
ALC METER	1	Displayed frequency: 435,0000 MHz (EUR, SWE) 440,0000 MHz (USA, AUS) Mode : USB [MIC] control : Center [RF PWR] control : Max. CW [S•RF/C•ALC] switch: IN Connect the RF power meter to the [ANT 430 MHz] connector. Connect the AG to the [MICRO-PHONE] connector and set as: Level : 10 mV Modulation : 1.5 kHz Transmitting	Front panel	ALC meter	100 %	MAIN	R121
FM POWER (ONLY FOR IC-970H)	1	Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS) Mode : FM [RF PWR] control : Max. CW Transmitting	Rear panel	Connect the RF power meter to the [430 MHz ANT] con- nector.	40 W	MAIN	R380
	2	Displayed frequency: 144.0000 MHz Mode : FM [RF PWR] control : Max. CW Transmitting		Connect the RF power meter to the [144 MHz ANT] con- nector.	46~50 W		Verify
FM, CW DRIVE LEVEL	1	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Mode : FM [RF PWR] control : Max. CW Transmitting	Front panel	ALC meter	100%	MAIN	R44
	2	Mode: CW [RF PWR] control: Max. CW Connect the key to the [KEY] jack and key down. Transmitting			100%		R104
430 MHz LOW OUTPUT POWER	1	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Mode : FM [RF PWR] control : Max. CCW Transmitting	Rear panel	Connect the RF power meter to the [430 MHz ANT] con- nector.	3.5 W (IC-970A/E) 6.0 W (IC-970H)	MAIN	R120
	2	After adjustment, check the HIGH OUTP	UT POWE	R level.	-		



ADJUSTMENT		ADJUSTMENT CONDITIONS	N	MEASUREMENT	VALUE	ADJUSTMENT POINT	
		ADDOOTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
144 MHz LOW OUTPUT POWER	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM [RF PWR] control : Max. CCW Transmitting	Rear	Connect the RF power meler to the [ANT 144 MHz] connector.	2.0~3.0 W (IC-970A/E) 4.0~5.0 W (IC-970H)		Verify

MAIN UNIT

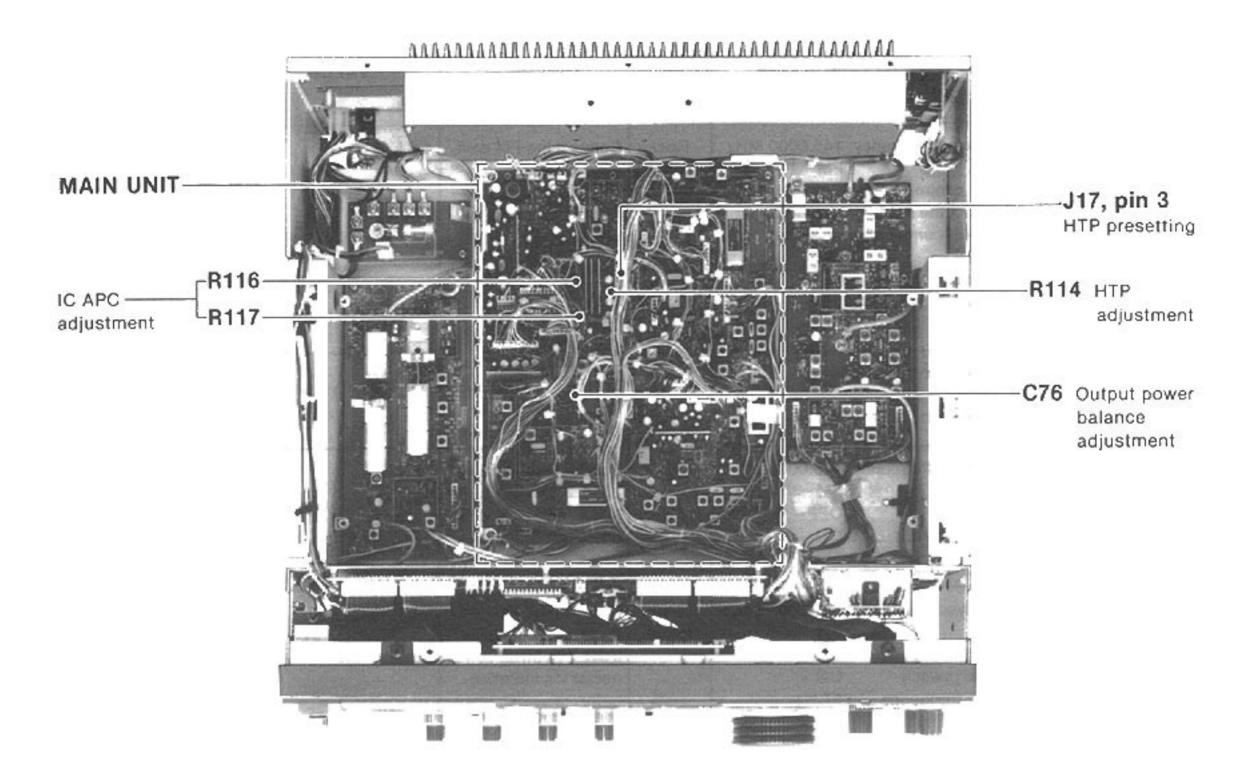




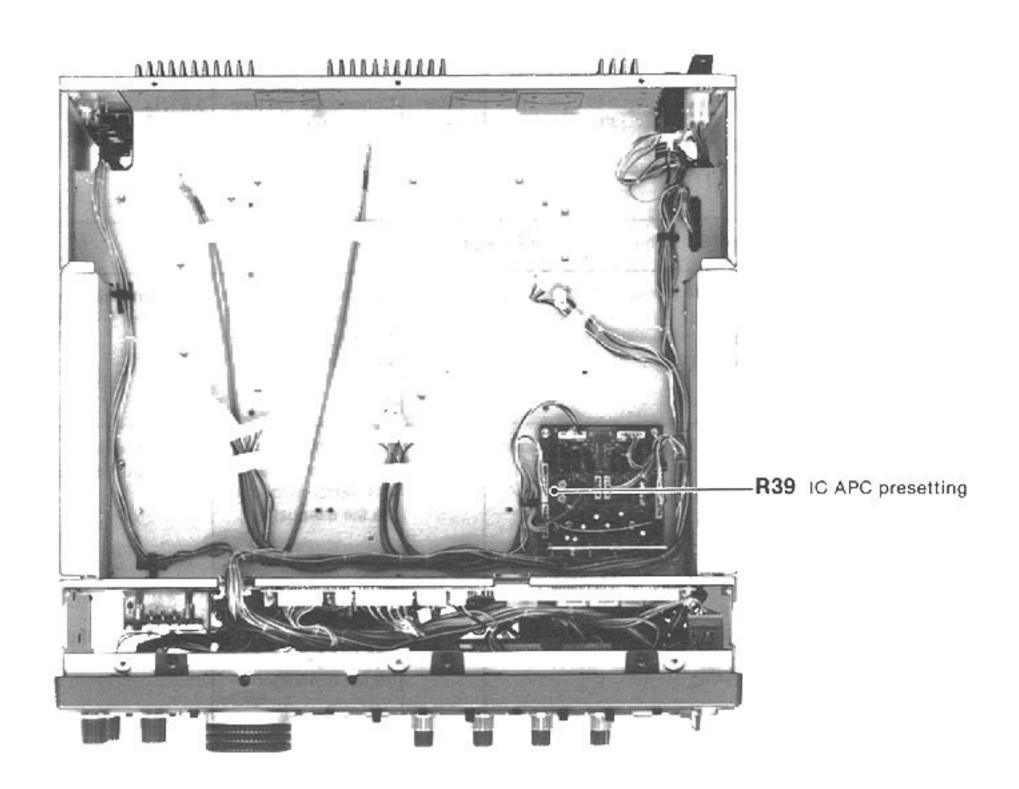
ADJUSTMENT		ADJUSTMENT CONDITIONS	N	IEASUREMENT	VALUE	ADJUSTMENT POINT	
ADJOSTMEN	••	ADSOSTMENT CONDITIONS	UNIT LOCATION		TALUE	UNIT	ADJUST
IC APC (FOR IC-970A/E)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode SMIC] control Max. CW SRF/C+ALC] switch: IN Connect the RF power meter to the [ANT 144 MHz] connector. Decrease the power supply voltage to 11.7 V DC. Ground the lead of R39 on the CTRL unit with the wire. Connect the AG to the [MICRO-PHONE] connector and set as: Level 20 mV Modulation 1.5 kHz	Front panel	ALC meter	The point at which the ALC indicator needle begins to move.	MAIN	R117
	2	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the RF power meter to the [ANT 430 MHz] connector. Transmitting					R116
IC APC (FOR IC-970H)	1	Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB IMIC] control : Max. CW IRF PWR] control : Max. CW IS-RF/C-ALC] switch: IN Connect the RF power meter to the [ANT 144 MHz] connector. Ground the lead of R39 on the CTRL unit with the wire. Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz Transmitting	Rear panel	Connect the ammeter between the DC power supply and IC-970H.	12 A	MAIN	R117
	2	Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the RF power meter to the [ANT 430 MHz] connector. Transmitting			16 A		R116
нтр		 Displayed frequency: 145.0000 MHz Mode : FM [RF PWR] control : Max. CW Add 8~13.8 V to J17, pin 3 on the main unit through the 4.7 kΩ resistor. 	Rear panel	Connect the RF power meter to the [ANT 144 MHz] con- nector.	12.5 W (IC-970A/E) 22.5 W (IC-970H)	MAIN	R114
OUTPUT POWER BALANCE		Displayed frequency: 145.0000 MHz Mode: USB and LSB Connect the AG to the [MICRO-PHONE] connector and set as: Level: 2 mV Modulation: 300 Hz Transmitting	Rear panel	Connect the RF power meter to the [ANT 144 MHz] con- nector.	LSB power must equal USB power.	MAIN	C76



MAIN UNIT



CTRL UNIT

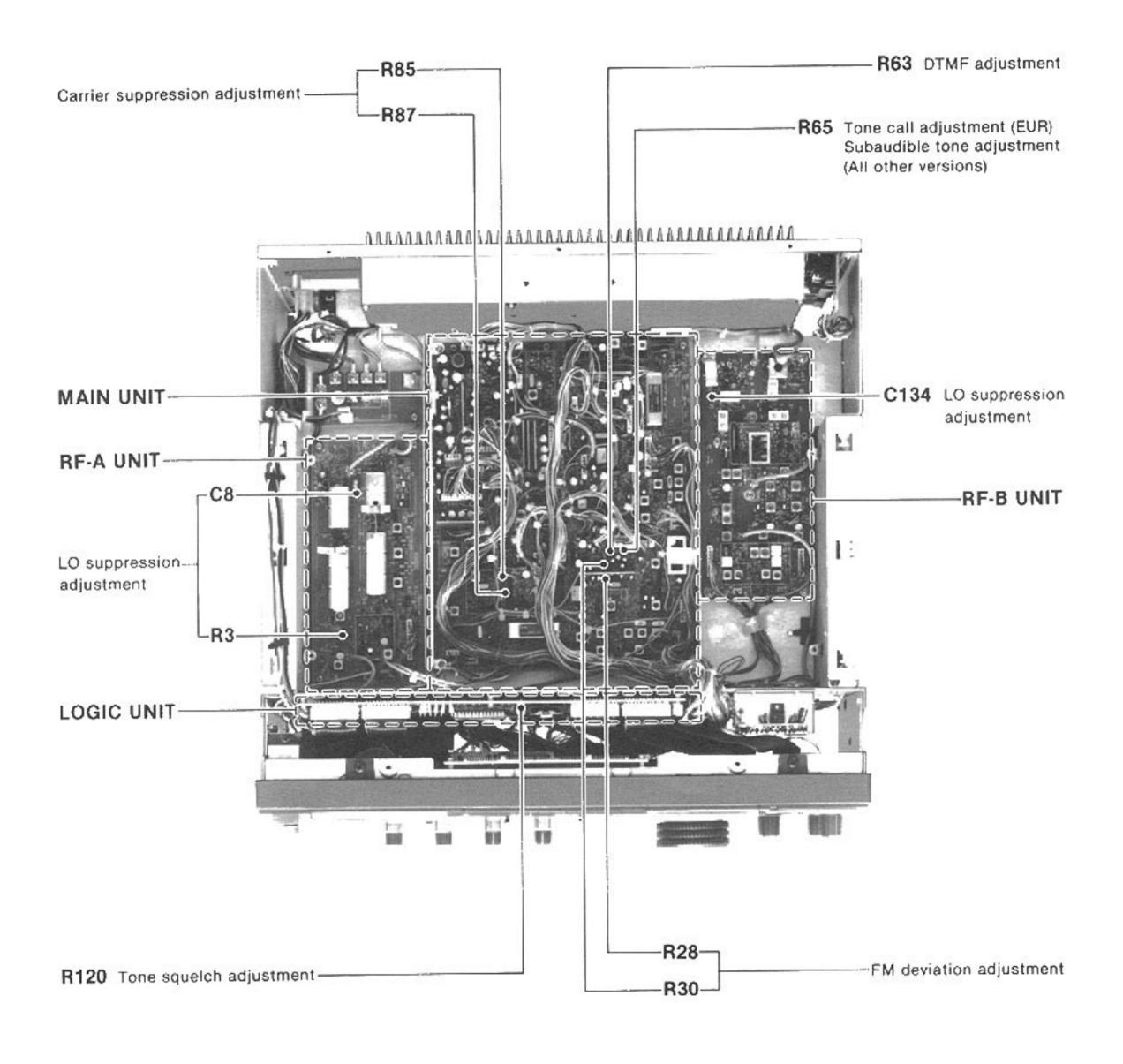




ADJUSTMENT		ADJUSTMENT CONDITIONS MEASUREMENT		IEASUREMENT	VALUE		ADJUSTMENT POINT				
ADJUSTME	41	ADJUSTMENT CONDITIONS	UNIT LOCATION		VALUE	UNIT	ADJUST				
FM DEVIATION	1	Displayed frequency: 145.0000 MHz Mode : FM [MIC] control : Center Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1 kHz Transmitting	Rear panel	Connect the FM devi- ation meter to the [ANT 144 MHz] con- nector via the atten- uator.	4.8 kHz	MAIN	R28				
	2	MIC connector input: Level : 2 mV Modulation : 1 kHz			3.5 kHz		R30				
TONE CALL (EUR only)	1	Displayed frequency: 145.0000 MHz Mode : FM MIC input : OFF [TONE] switch : ON	Rear panel	Connect the FM devi- ation meter to the [ANT 144 MHz] con- nector via the atten- uator.	3.5 kHz	MAIN	R65				
SUBAUD- IBLE TONE (All other ver- sions)	1	Displayed frequency: 145.0000 MHz Mode: FM MIC input: OFF TONE] switch: ON TONE frequency: 67 Hz Transmitting	Rear panel	Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator.	0.5 kHz	MAIN	R65				
TONE SQUELCH (UT-34 munt be installed.)	1	Displayed frequency: 145.0000 MHz Mode : FM TONE SQUELCH : ON [TONE] frequency : 67 Hz Transmitting	Rear panel	Connect the FM devi- ation meter to the [ANT 144 MHz] con- nector via the atten- uator.	0.5 kHz	LOGIC	R120				
DTMF	1	Turn the IC-970A/E/H power OFF. Then, while pushing [3] and [7] on the keyboard, turn power ON.									
	2	Displayed frequency: 145.0000 MHz Mode: FM Push [7] (PAGER). Transmitting	Rear panel	Connect the FM devi- ation meter to the [ANT 144 MHz] con- nector via the atten- uator.	3.5 kHz	MAIN	R63				
	3	Turn power OFF. Then, turn power ON again.									
CARRIER SUPPRES- SION	1	Displayed frequency: 145.0000 MHz Mode : USB and LSB MIC input : OFF Transmitting	Rear panel	Connect the spectrum analyzer to the [ANT 144 MHz] connector via the attenuator.	Minimum carrier level. (Less than – 40 dB)	MAIN	Alternately adjust R85, R87				
LO SUPPRES- SION	4	Displayed frequency: 144 MHz band Mode : FM Transmitting	Rear panel	Connect the spectrum analyzer to the [ANT 144 MHz] connector via the attenuator.	Minimum level (Less than – 60 dB)	RF-A	Alternately adjust R3, C8				
	2	(USA, AUS versions only) • Displayed frequency: 430 MHz band • Mode : FM • Transmitting		Connect the spectrum analyzer to the [ANT 430 MHz] connector via the attenuator.	Minimum level (Less than - 60 dB)	RF-B	C134				



MAIN, RF-A, RF-B AND LOGIC UNITS





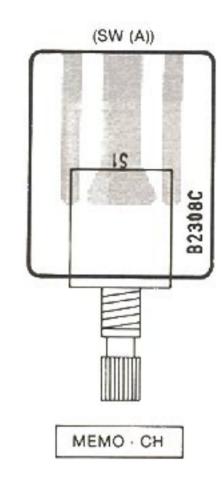
SECTION 5 BOARD LAYOUTS

5-1 SUBORDINATE FRONT UNITS

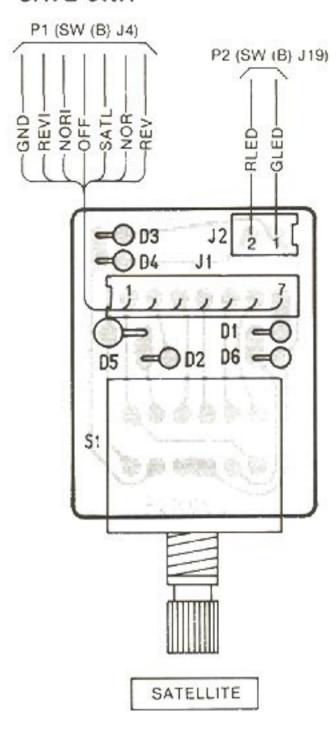
NOTCH UNIT

MEMO UNIT

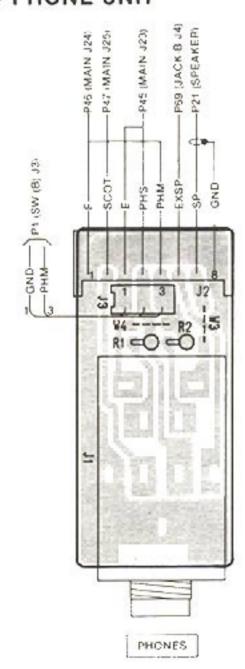
(SW (A)) R2309C NOTCH



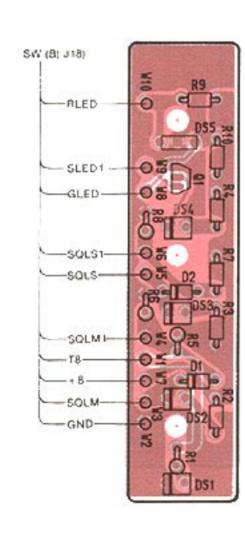
SATE UNIT



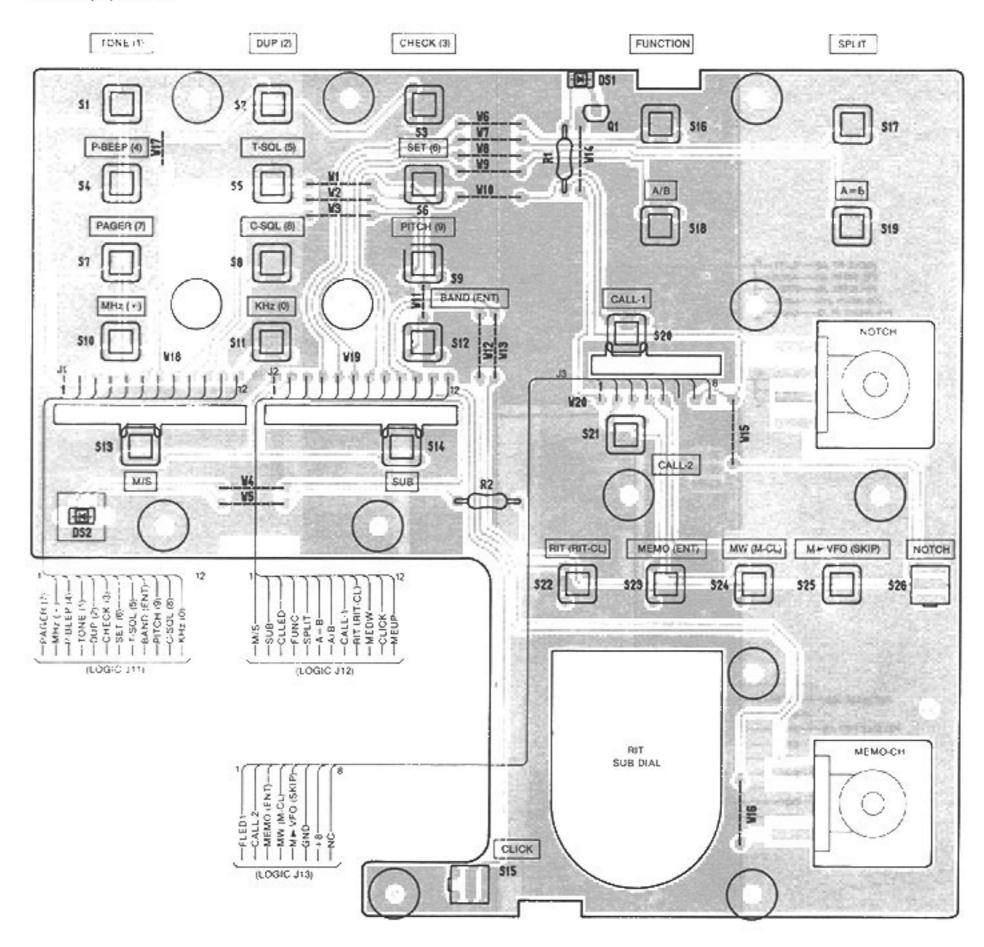
• PHONE UNIT



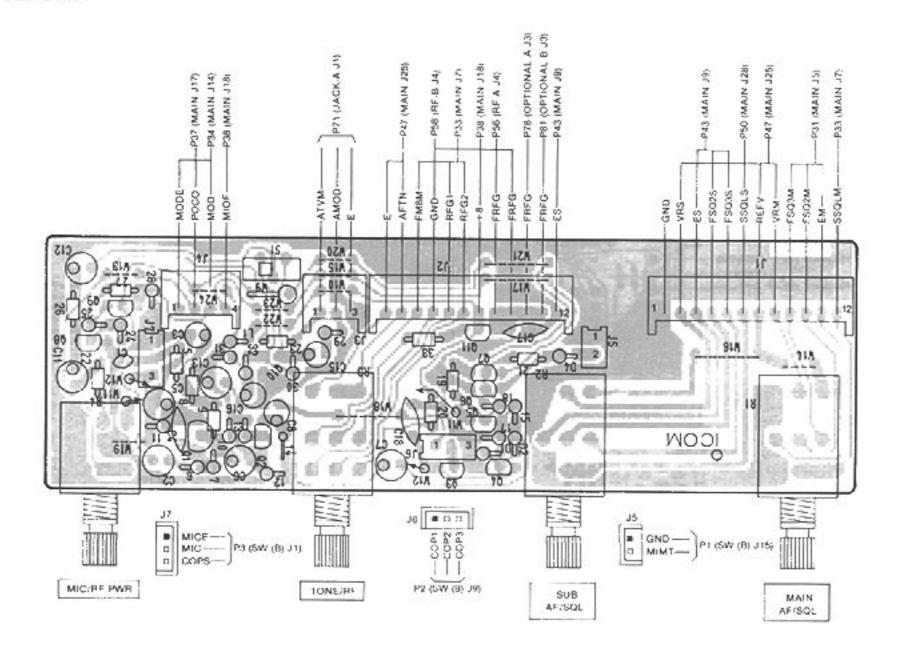
• LED UNIT



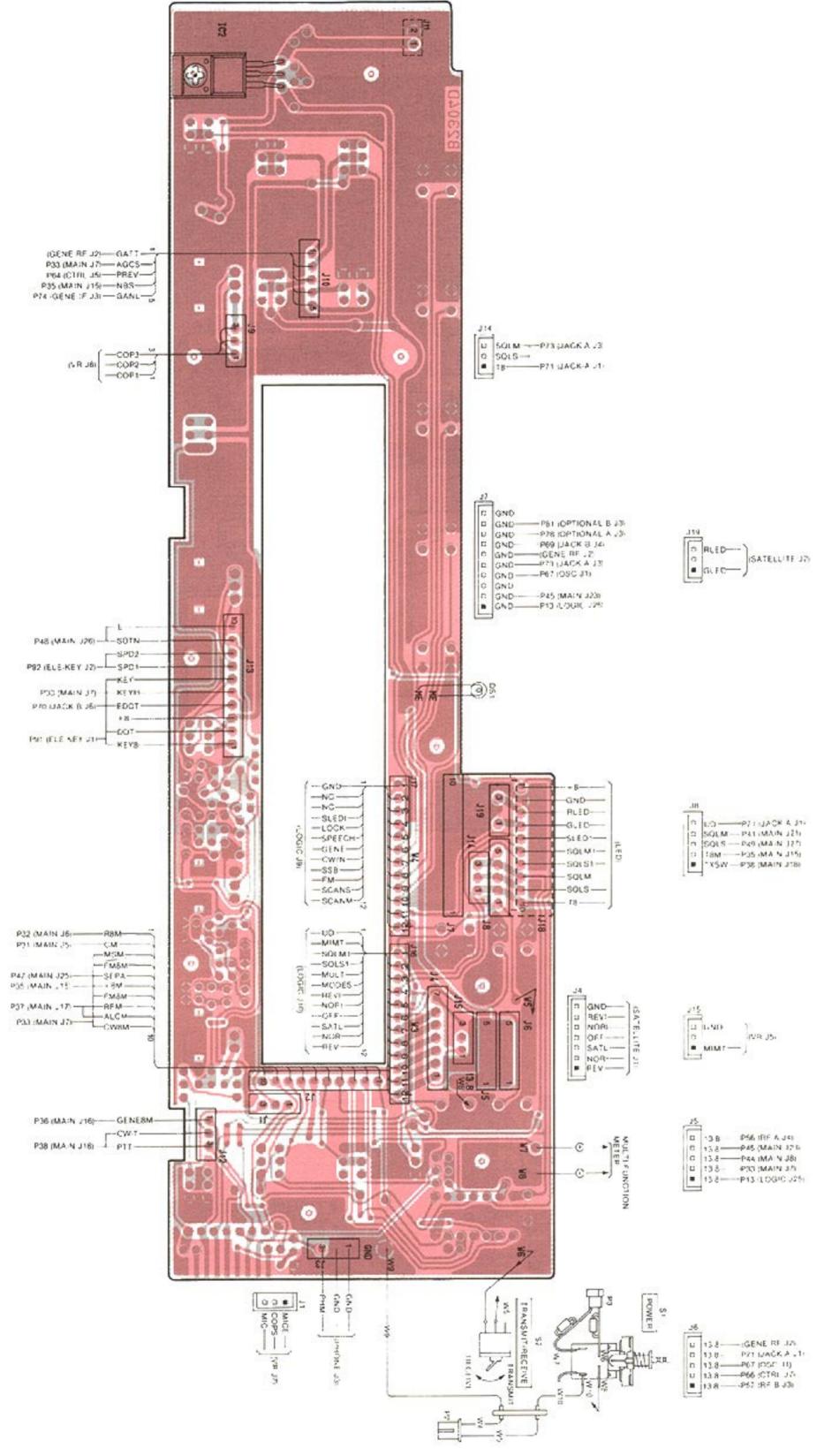
· SW (A) UNIT

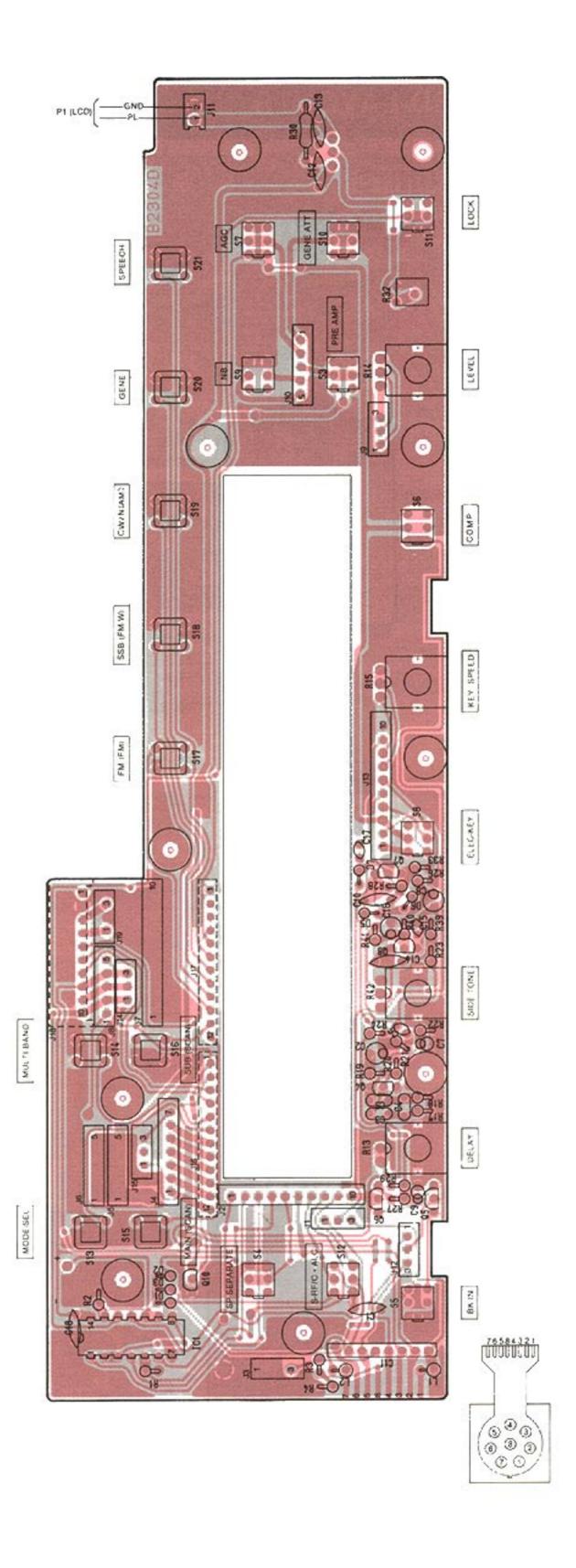


VR UNIT

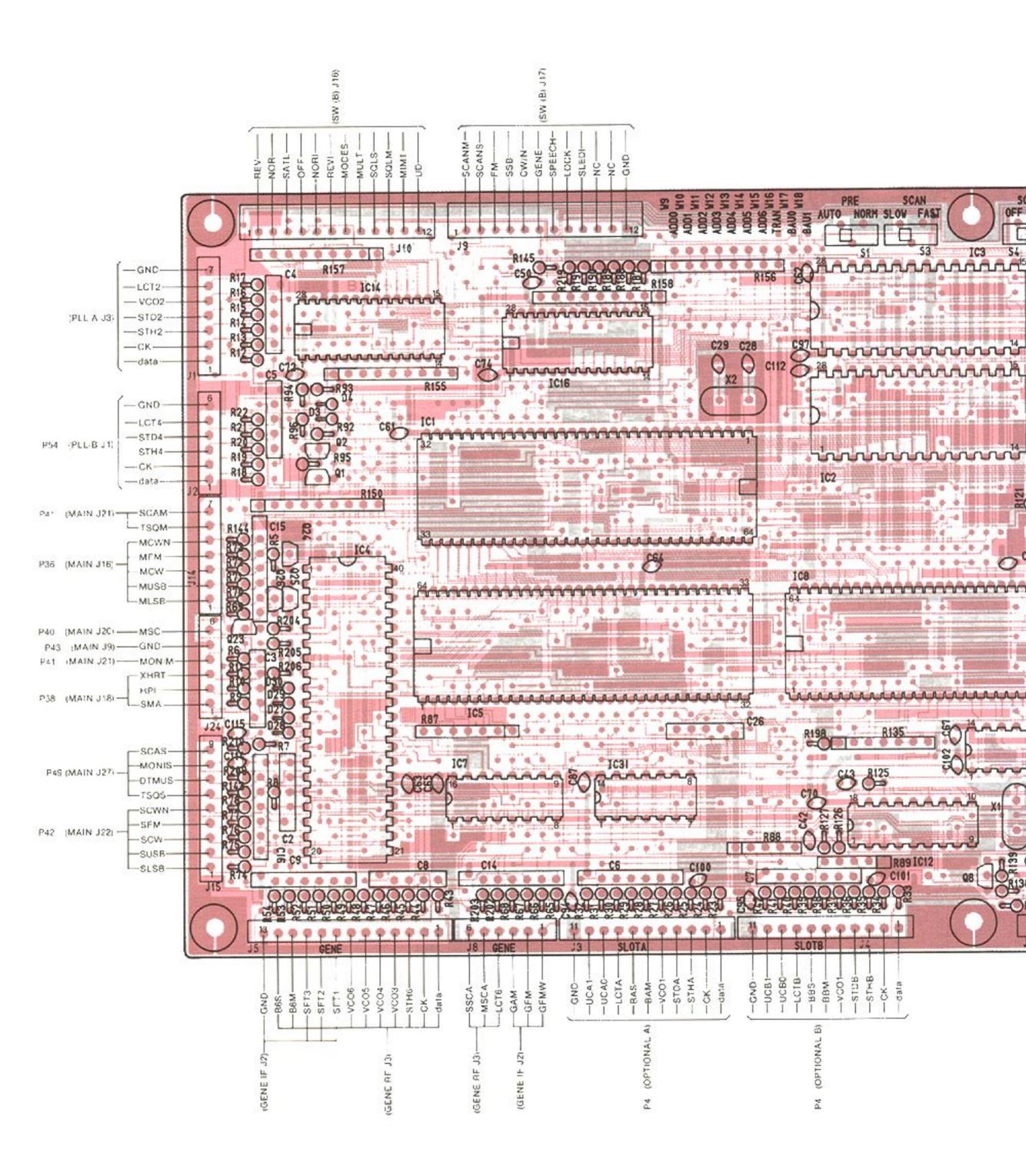


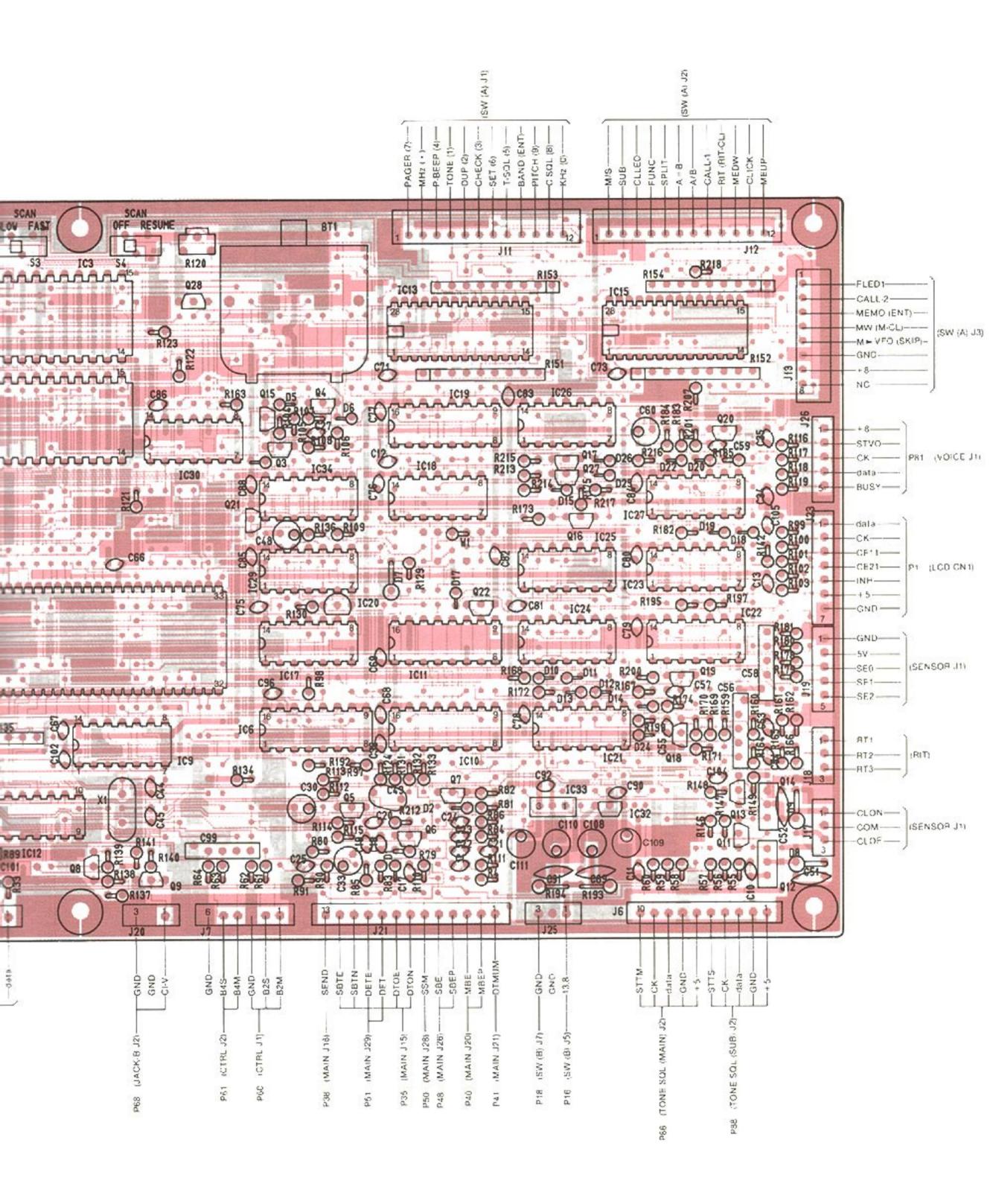
• SW (B) UNIT



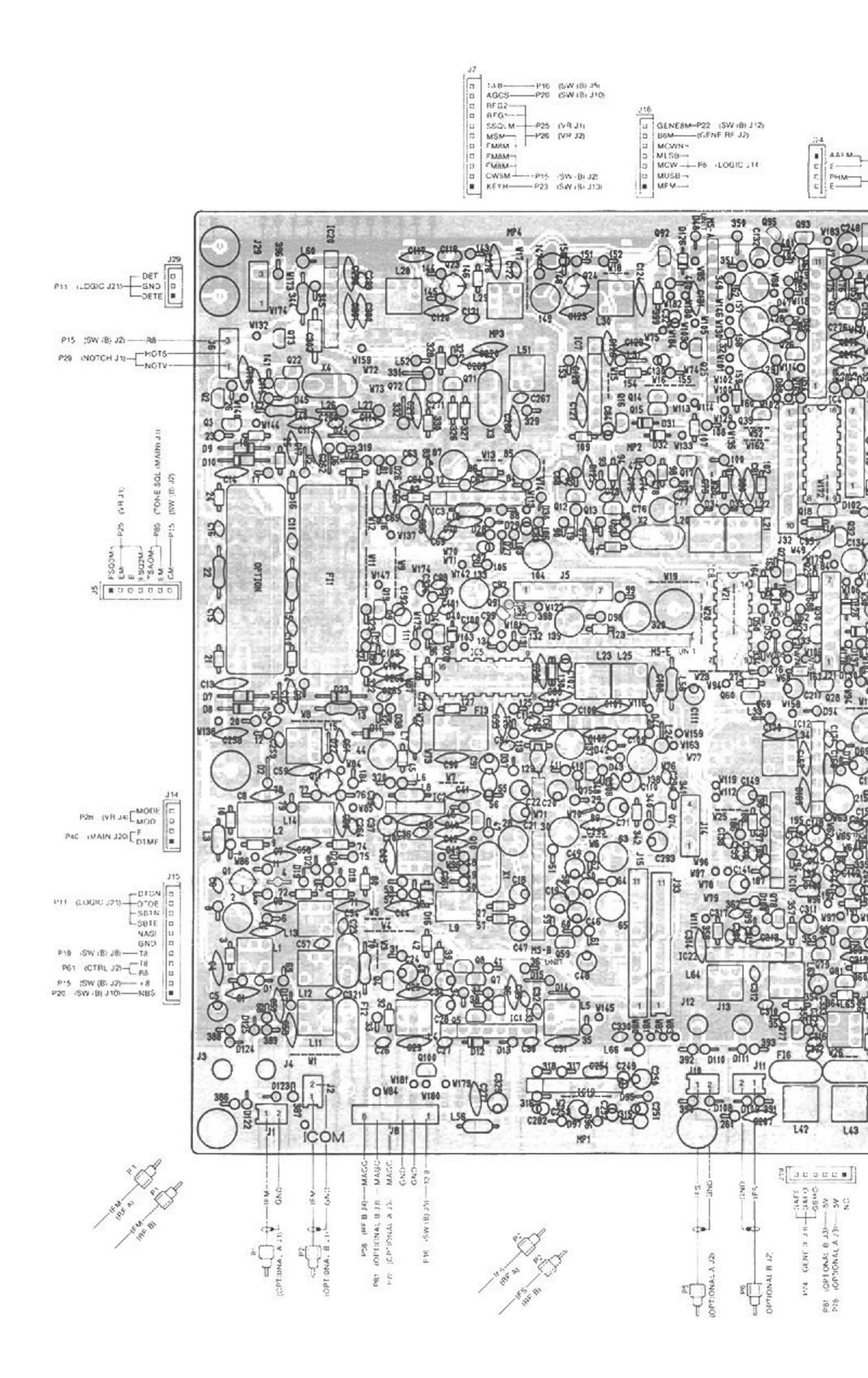


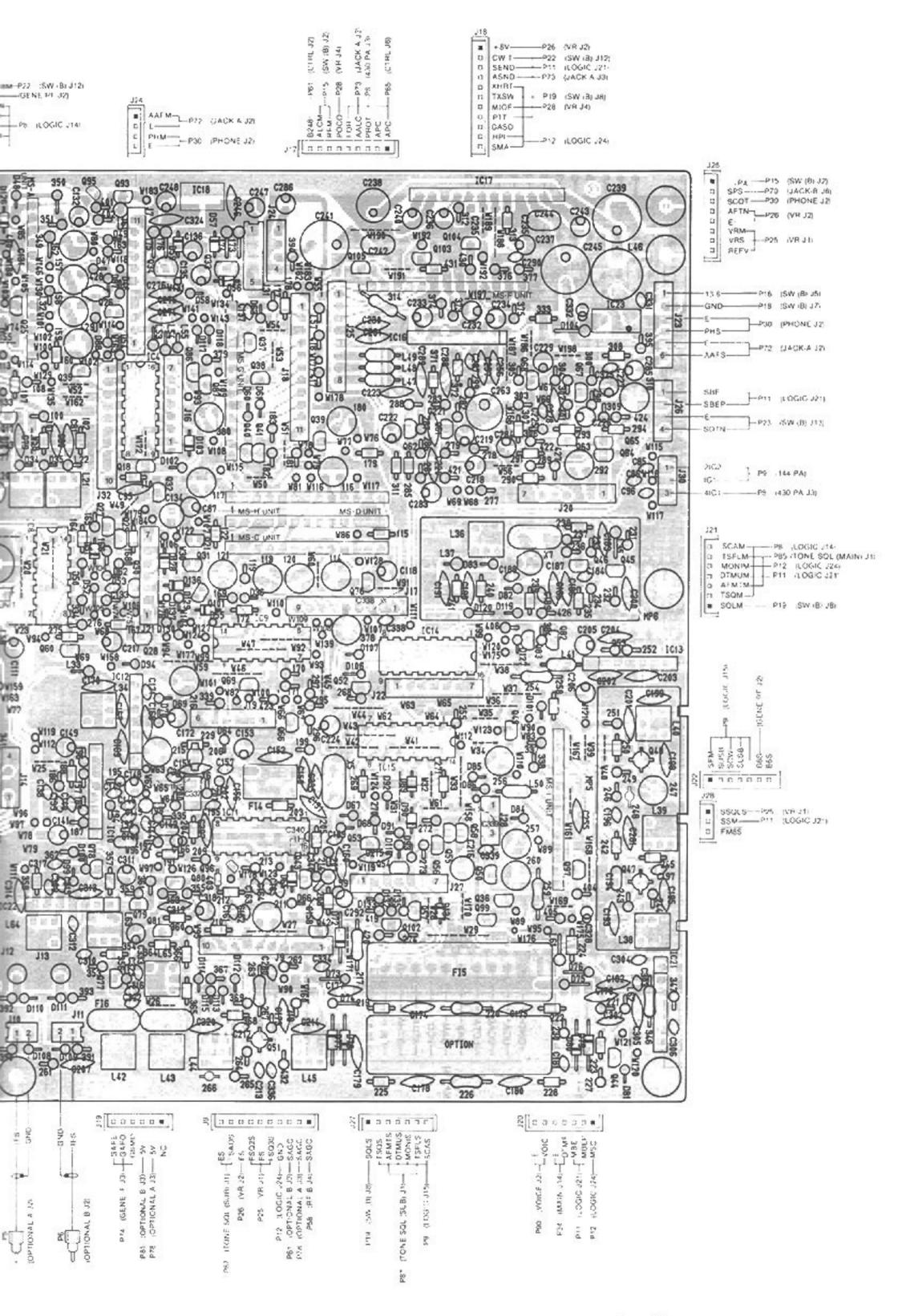
5-2 LOGIC UNIT





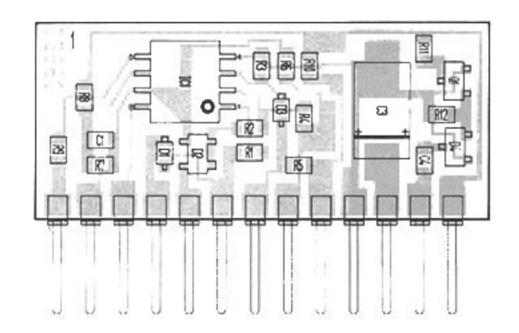
5-3 MAIN UNIT



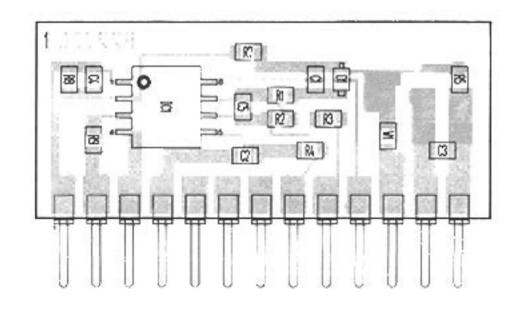


5-4 SUBORDINATE MAIN UNITS

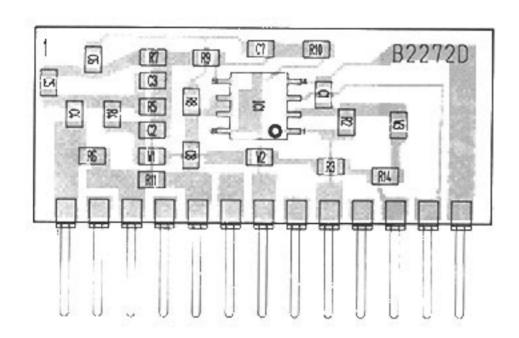
MS-A AND MS-I UNITS



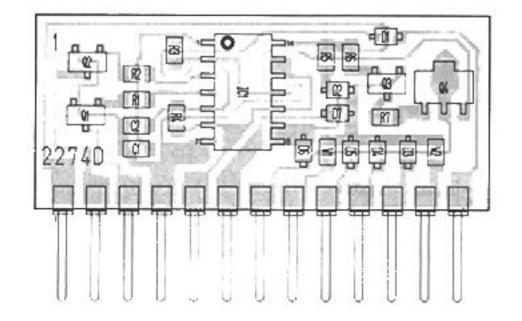
MS-C UNIT



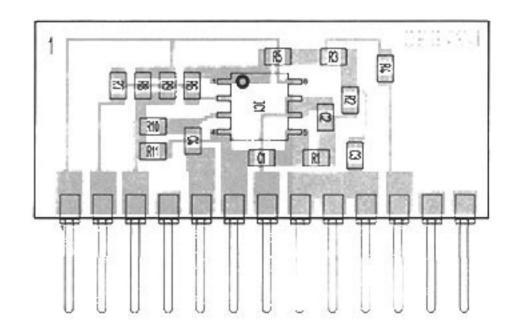
· MS-E UNIT



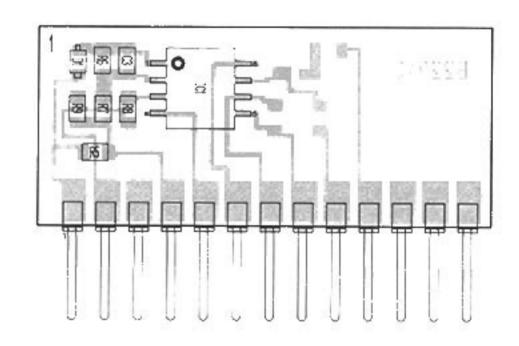
. MS-G UNIT



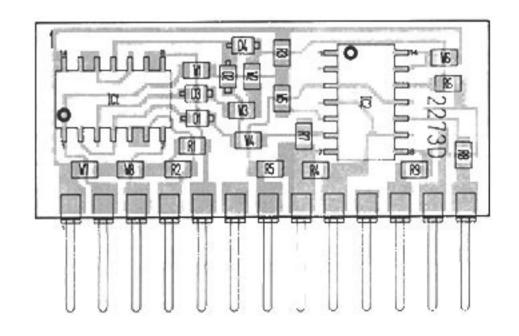
MS-B UNIT



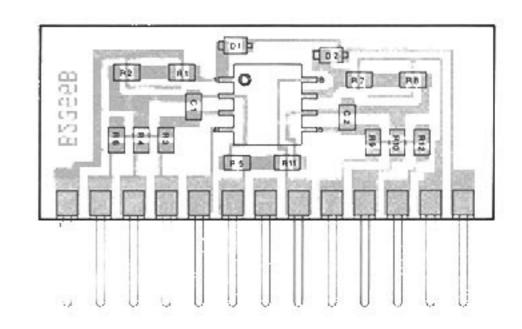
MS-D UNIT



MS-F UNIT

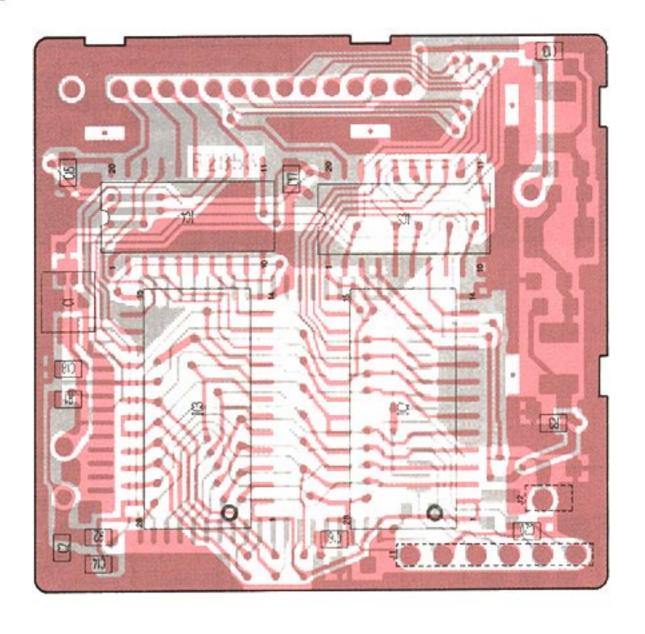


MS-H UNIT

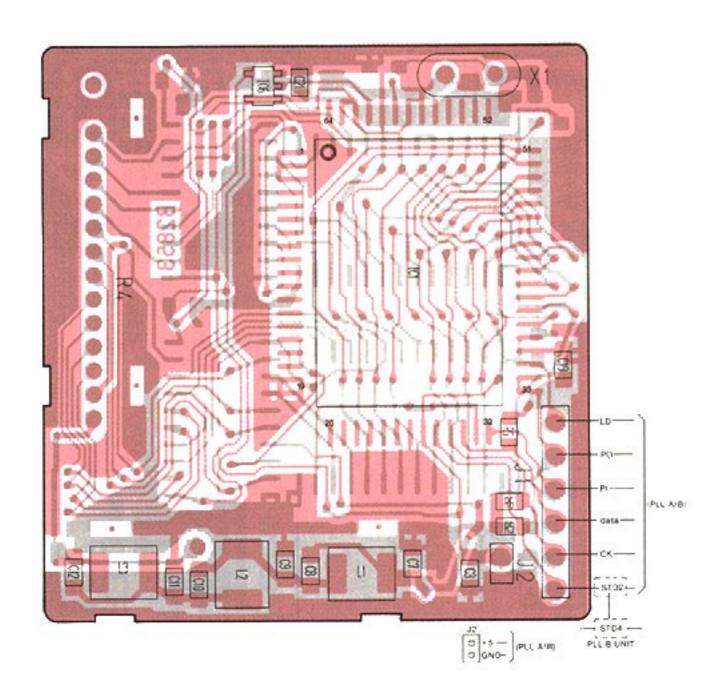


5-5 144 AND 430 DDS UNITS

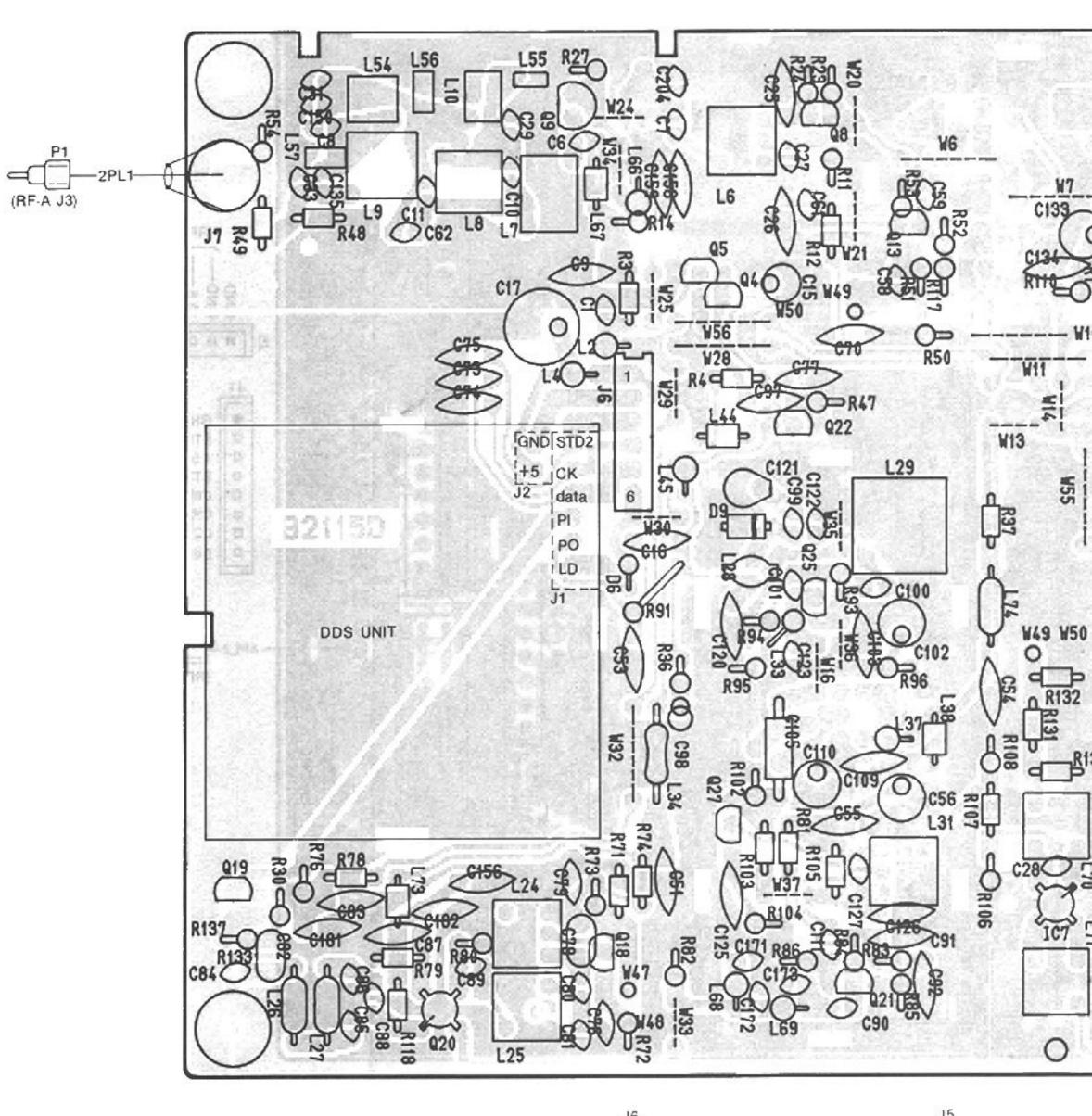
COMPONENT SIDE

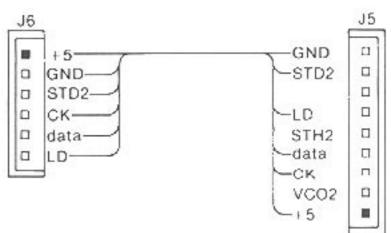


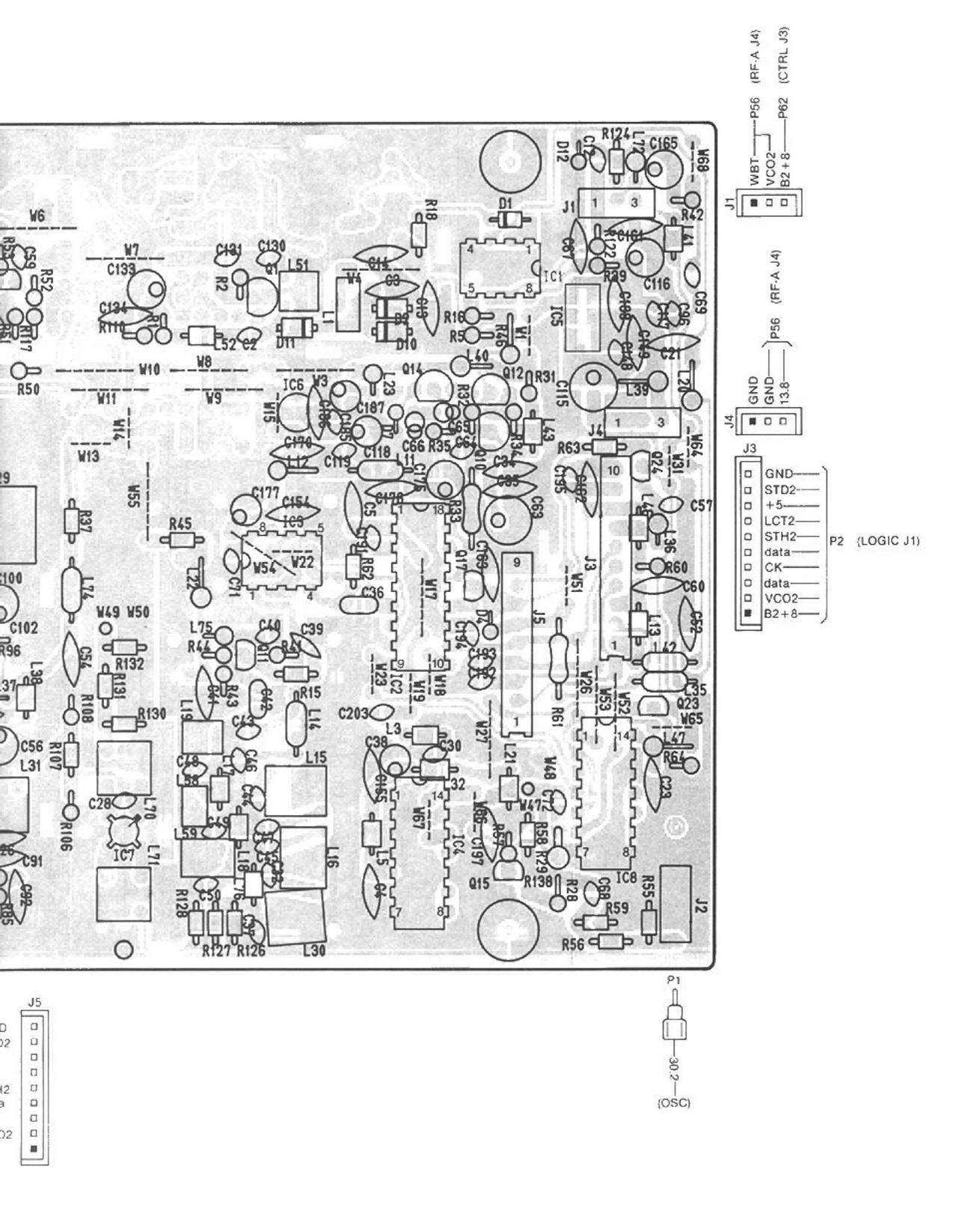
FOIL SIDE



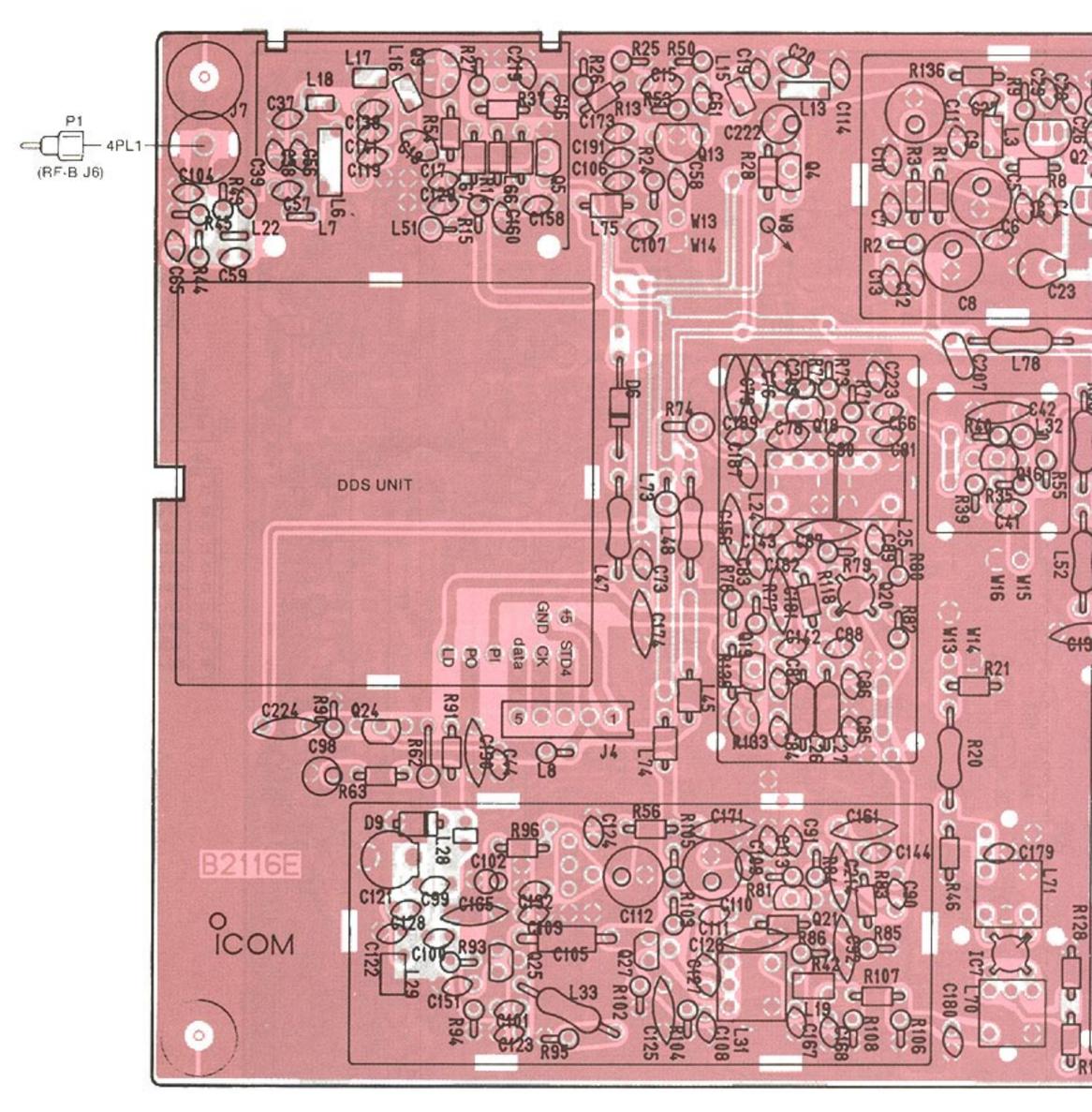
5-6 PLL-A UNIT

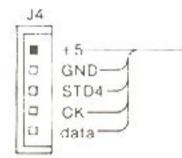


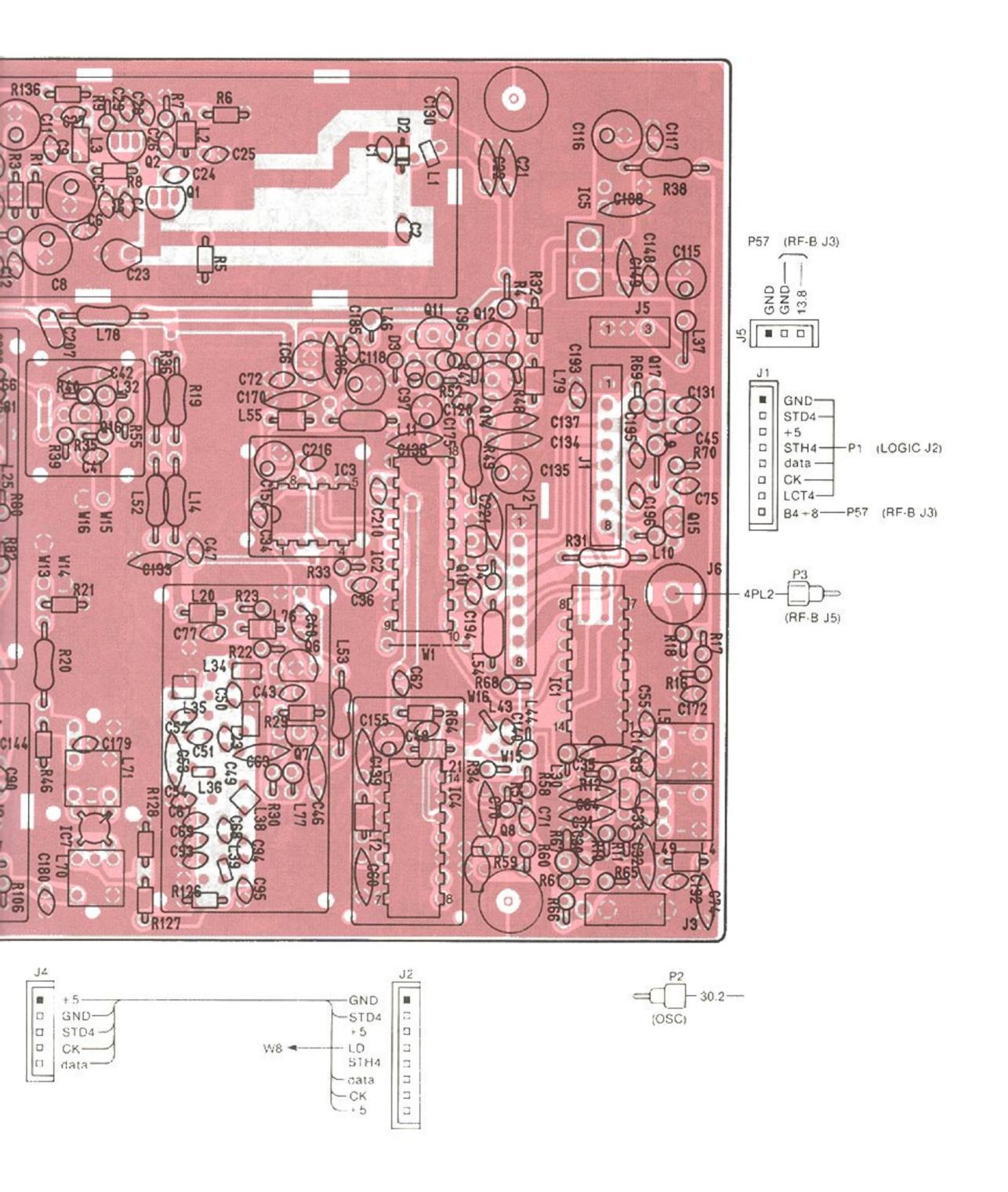




5-7 PLL-B UNIT



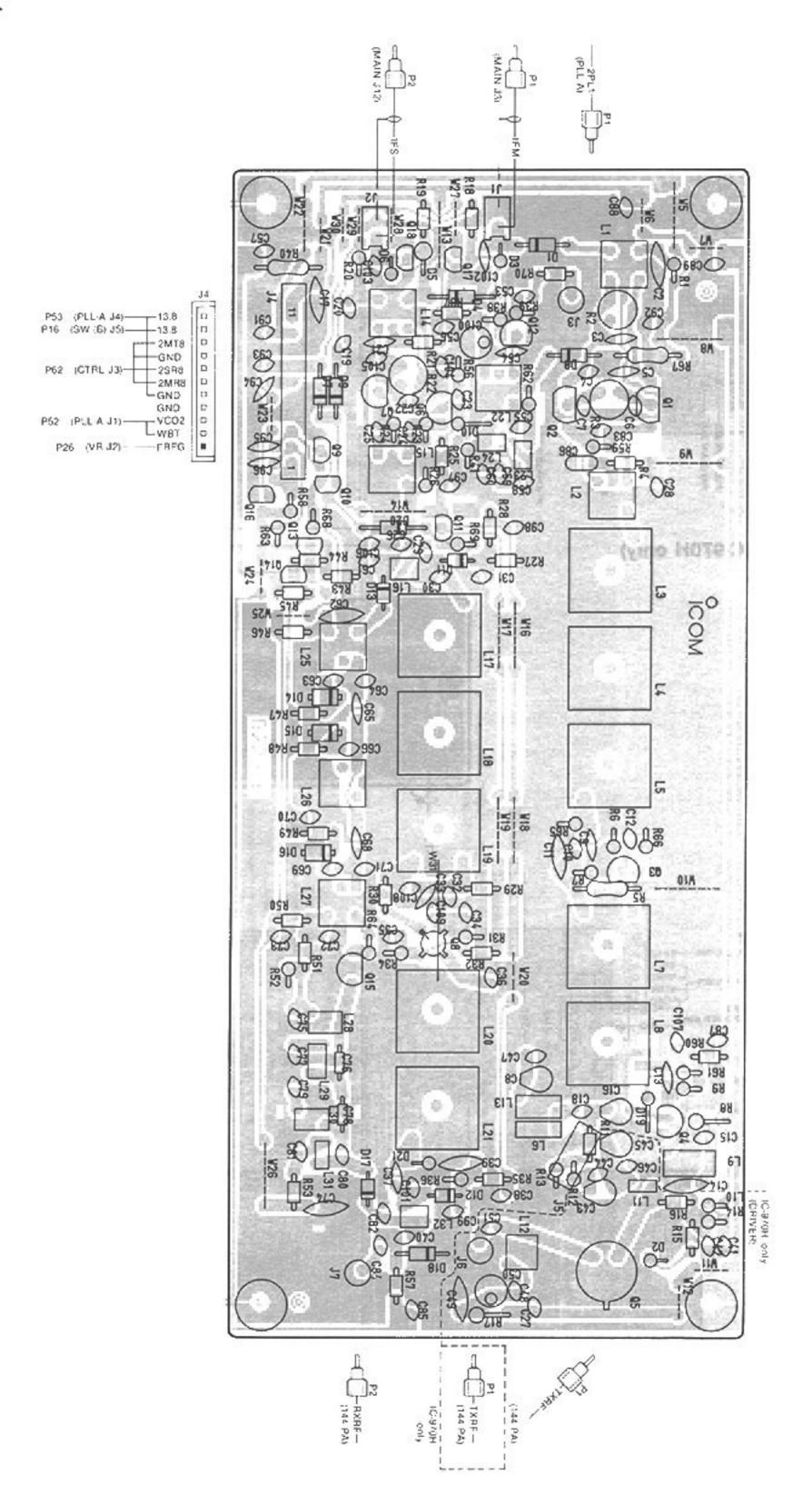




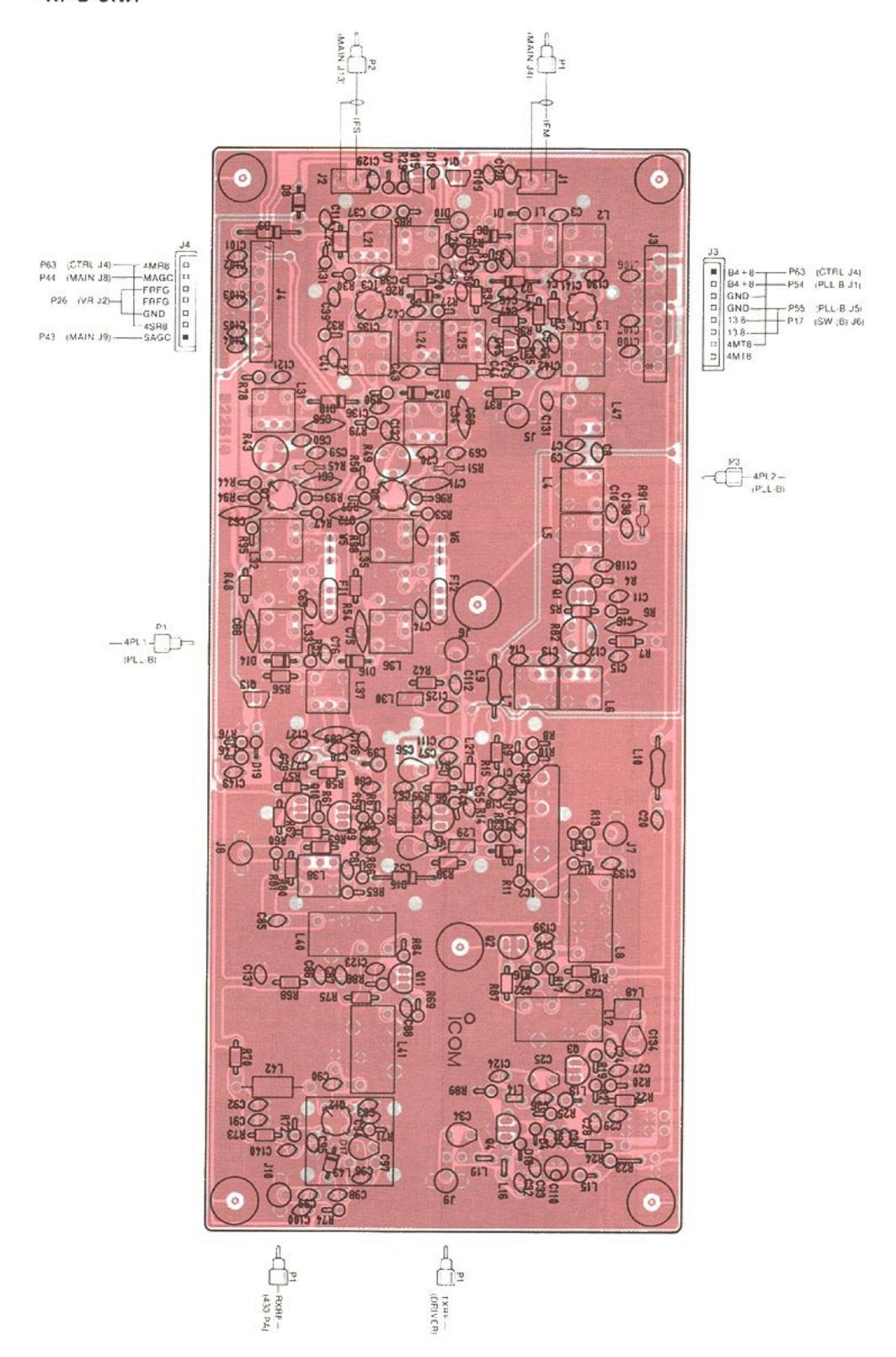


5-8 RF-A AND RF-B UNITS

• RF-A UNIT

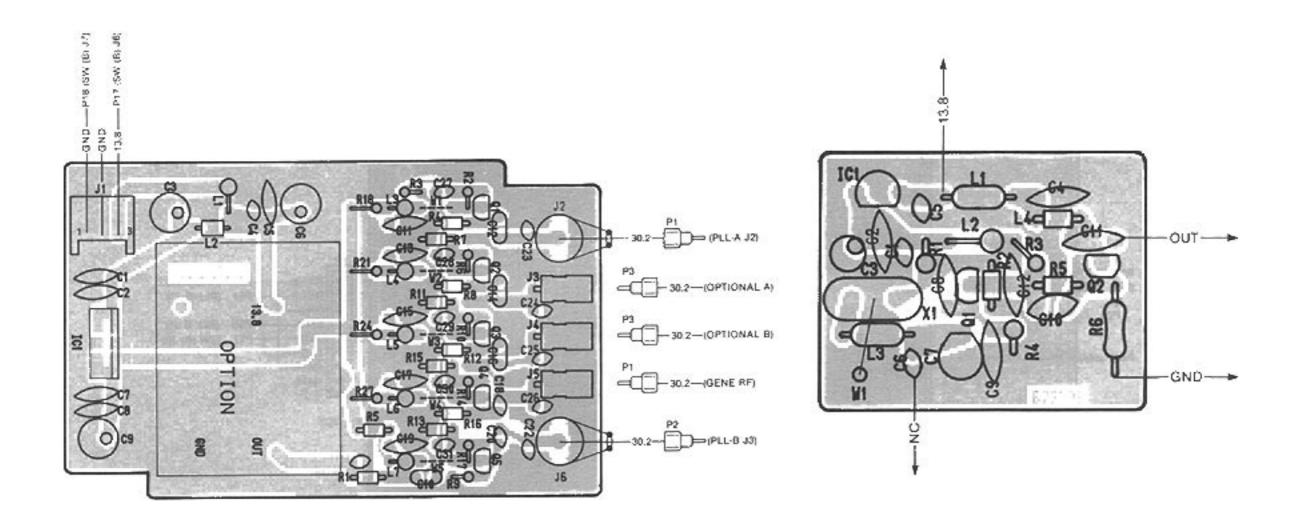


· RF-B UNIT

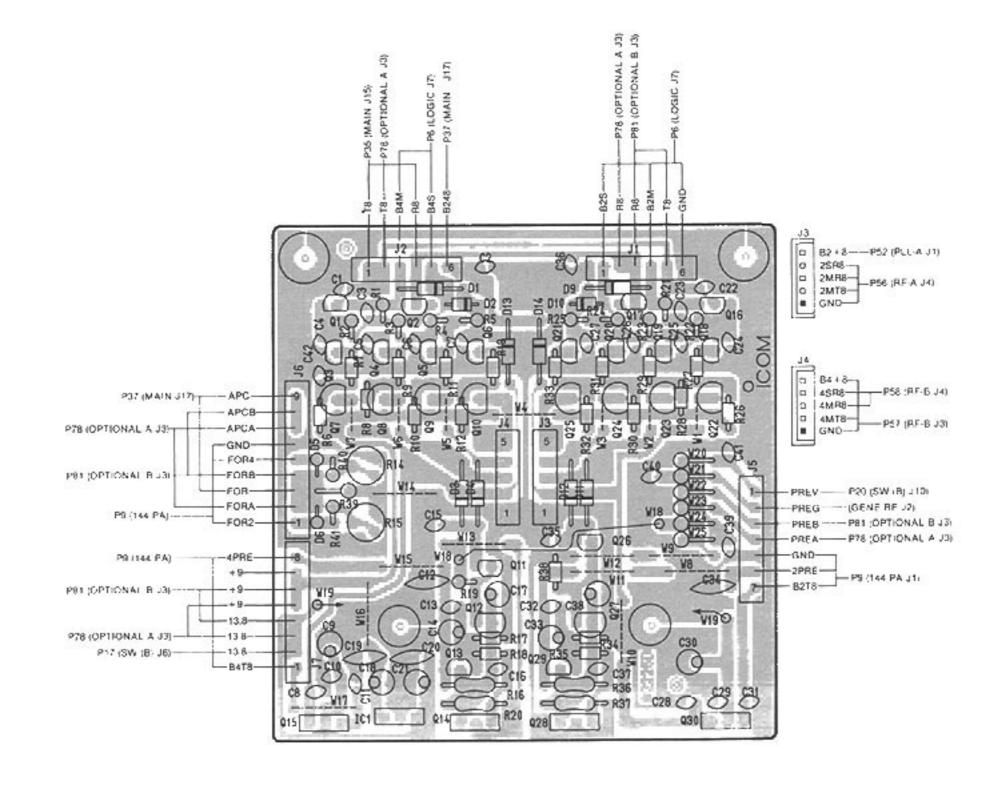


5-9 OSC, OSC (B) AND CTRL UNITS

OSC UNIT
 OSC (B) UNIT



CTRL UNIT

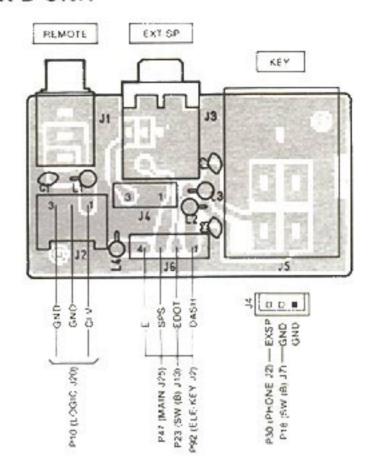




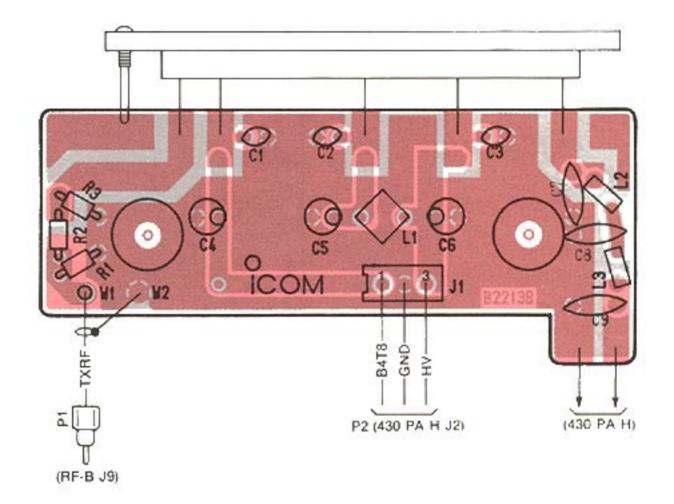
5-10 JACK A, JACK B, DRIVER AND CONNECT UNITS

JACK-A UNIT

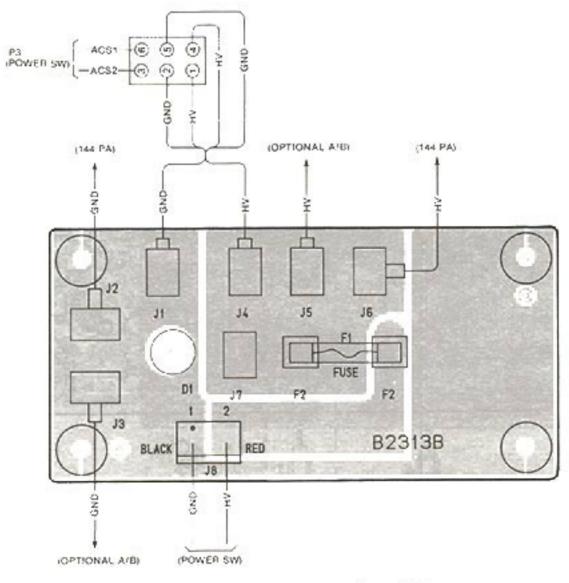
JACK-B UNIT



DRIVER UNIT (IC-970H only)

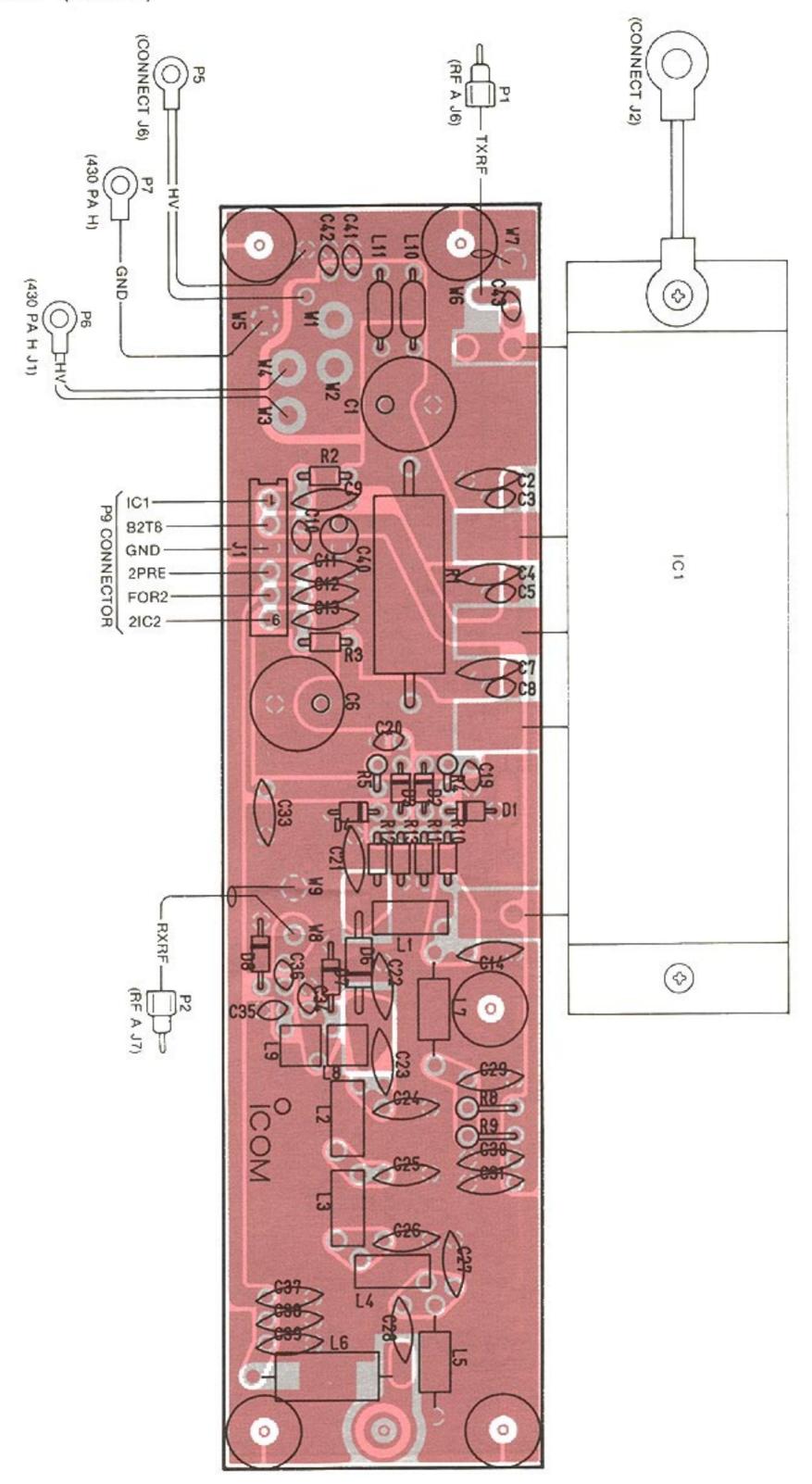


CONNECT UNIT

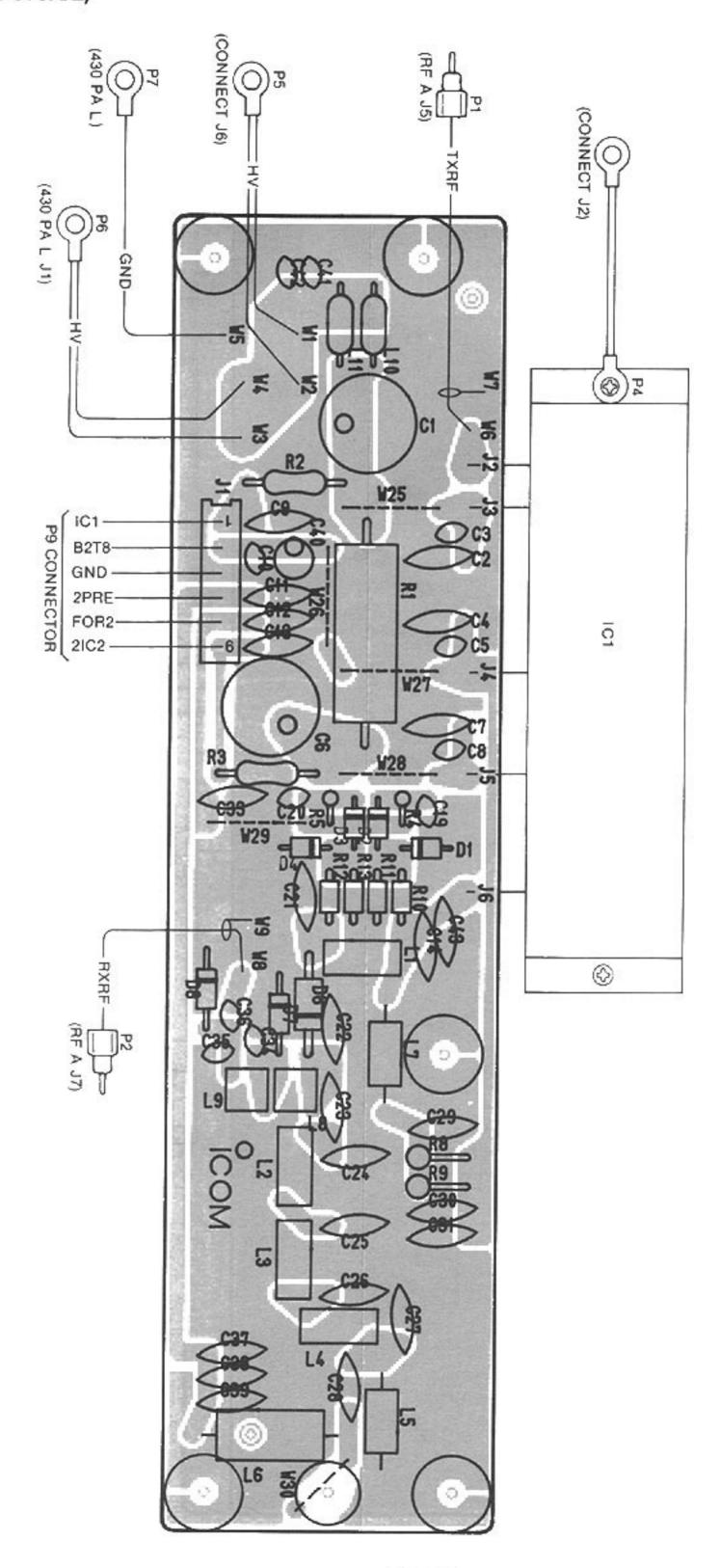


5-11 144 PA UNIT

• 144 PA H UNIT (IC-970H)



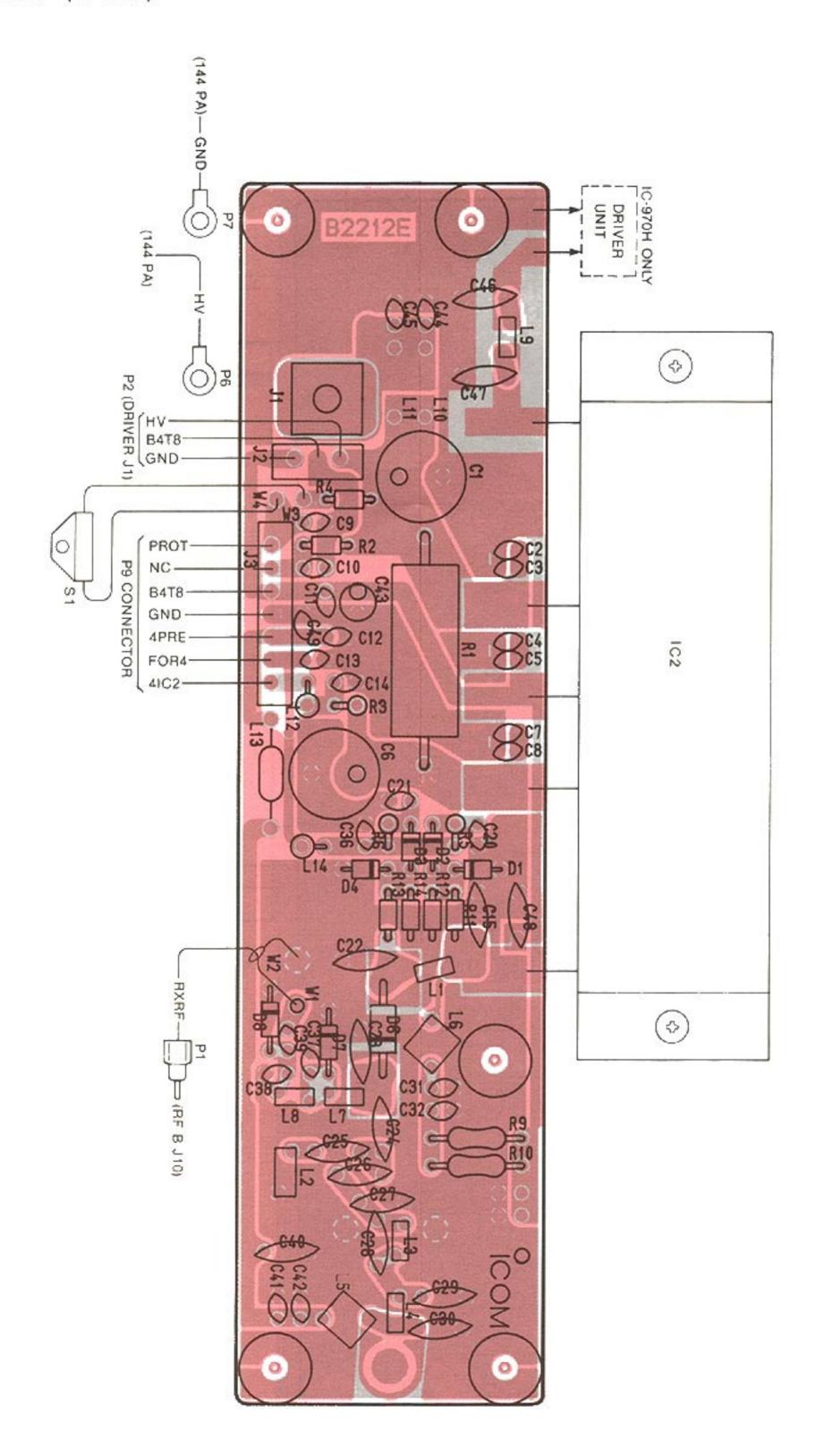
• 144 PA L UNIT (IC-970A/E)



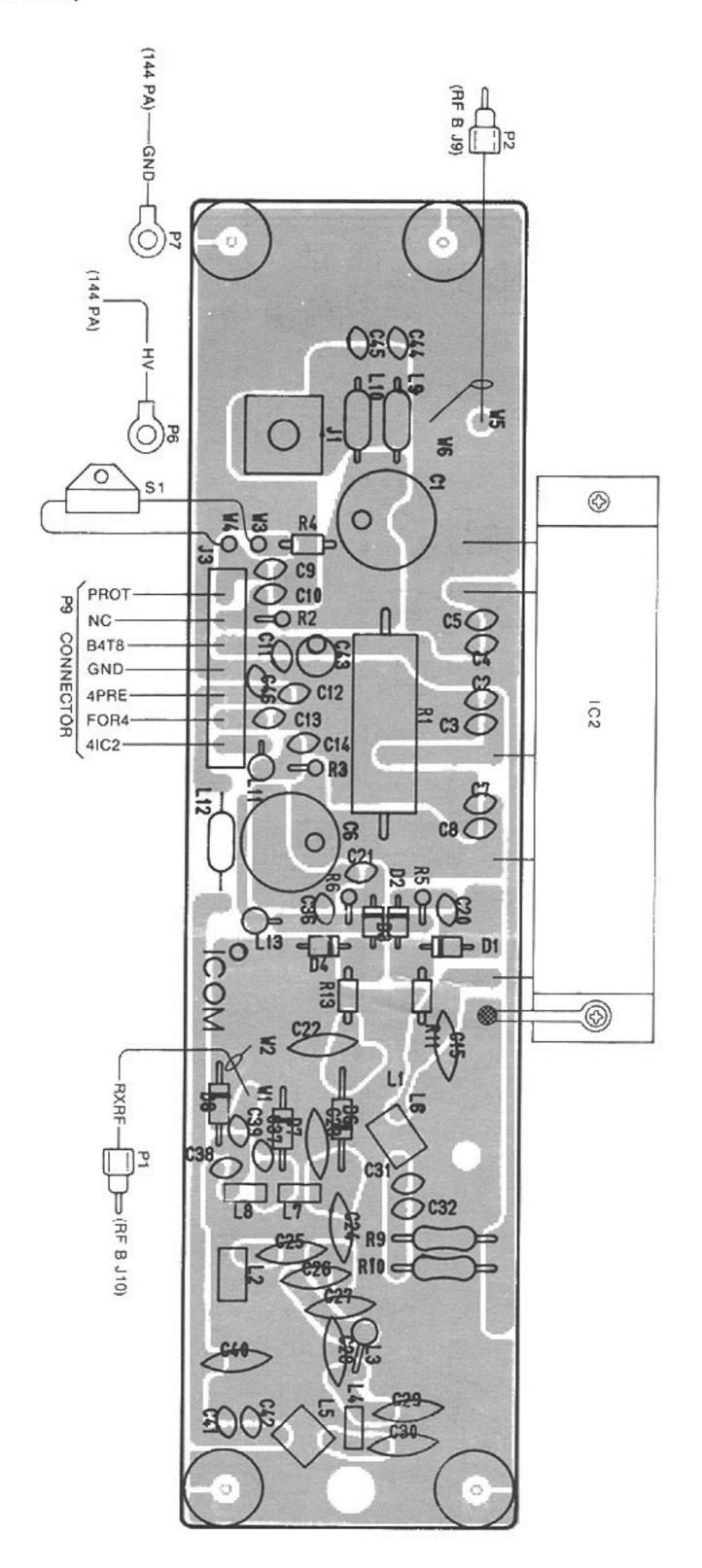


5-12 430 PA UNIT

• 430 PA H UNIT (IC-970H)

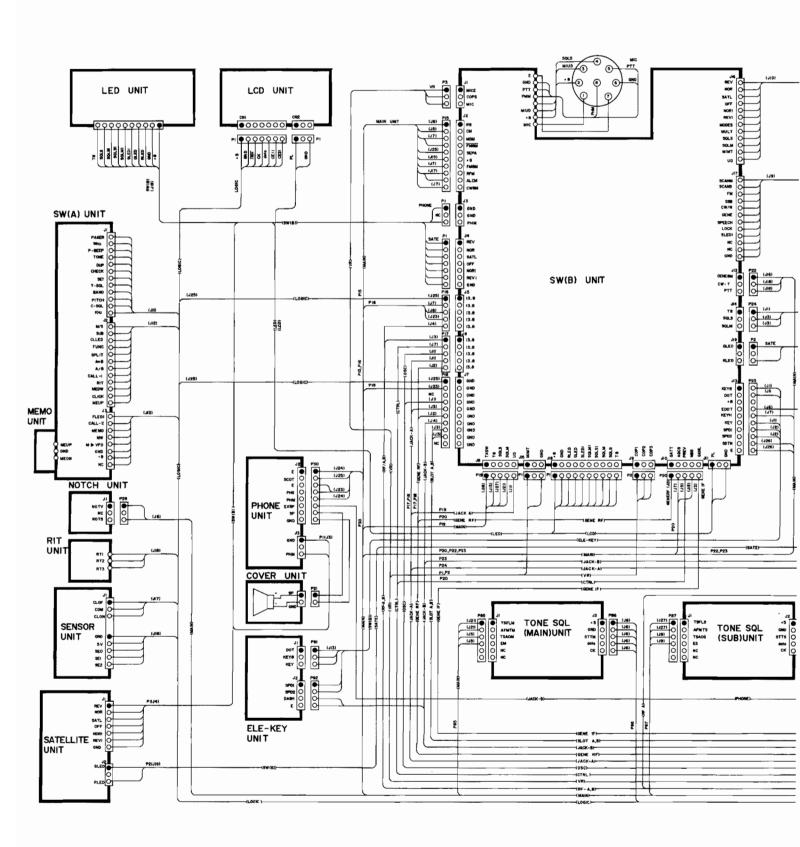


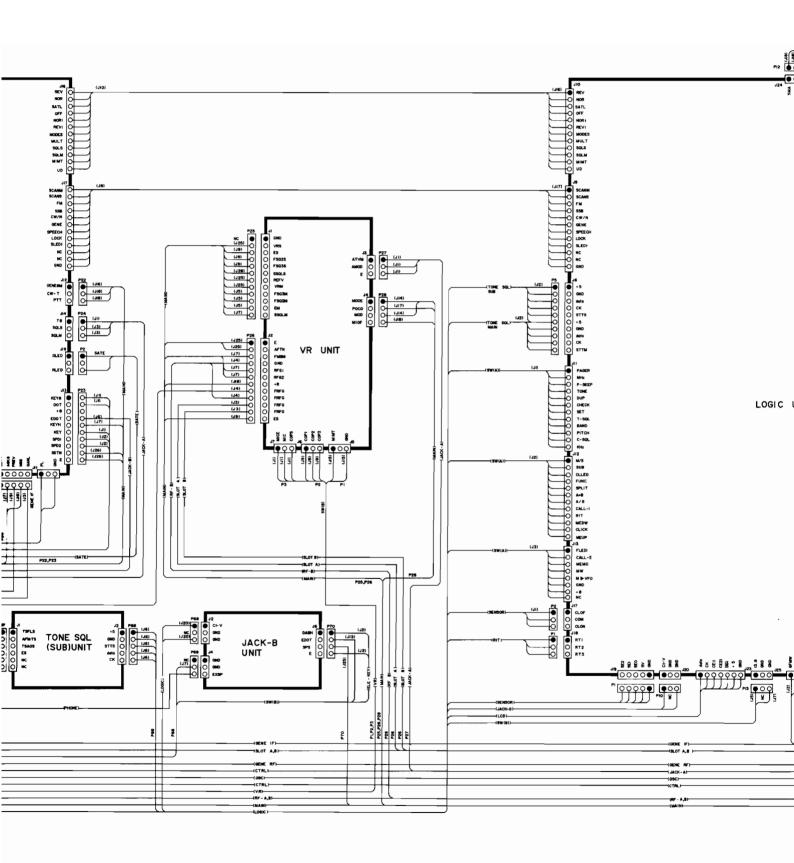
• 430 PA L UNIT (IC-970A/E)

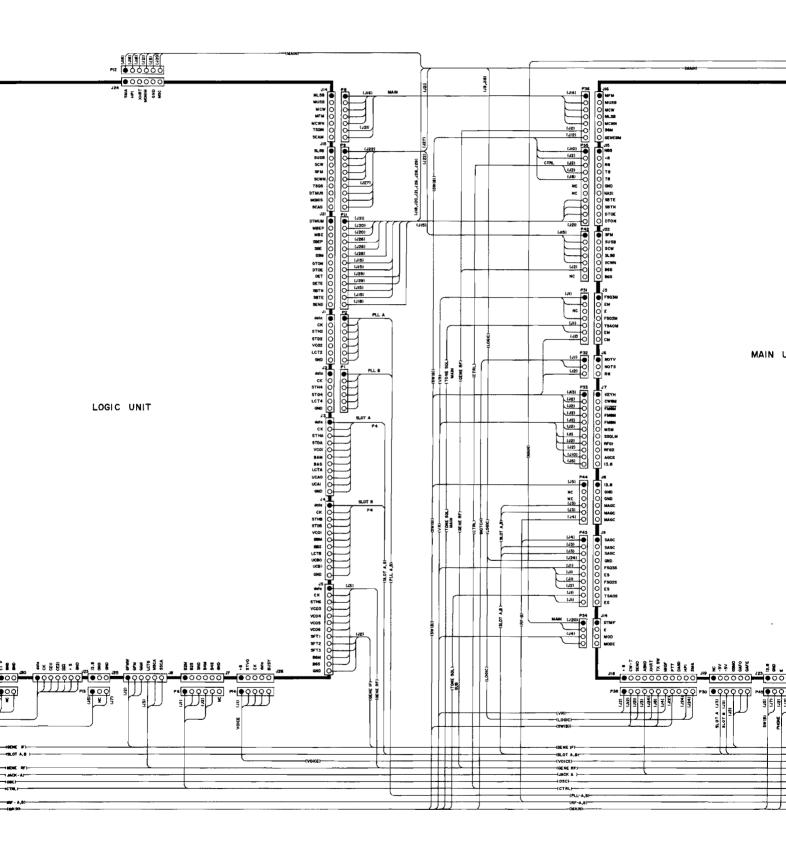


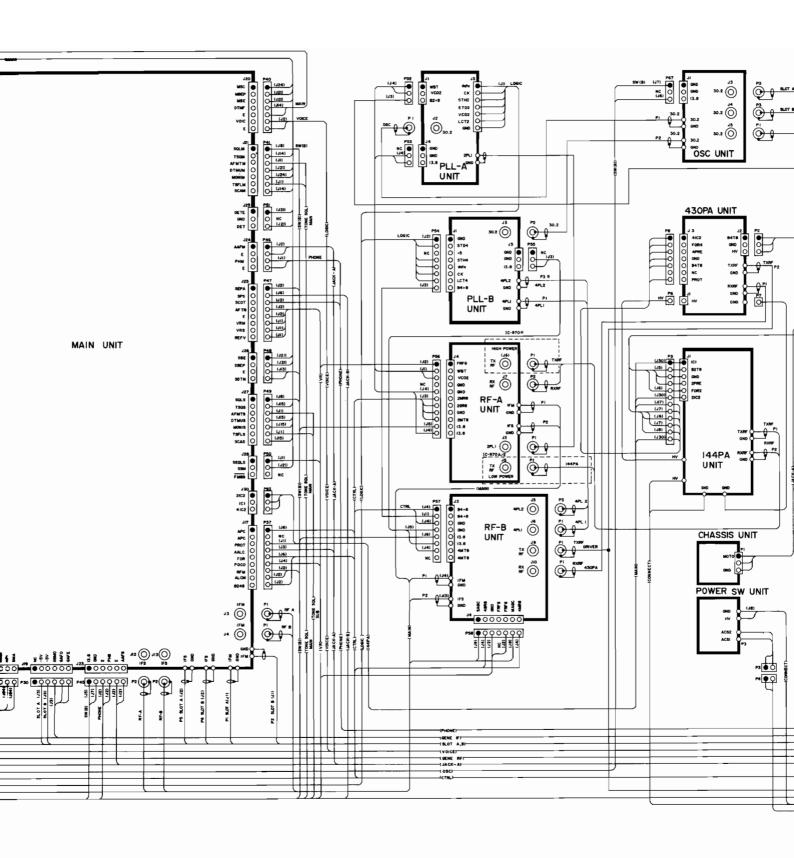
SECTION 6 VOLTAGE DIAGRAMS

CONNECTOR CIRCUIT

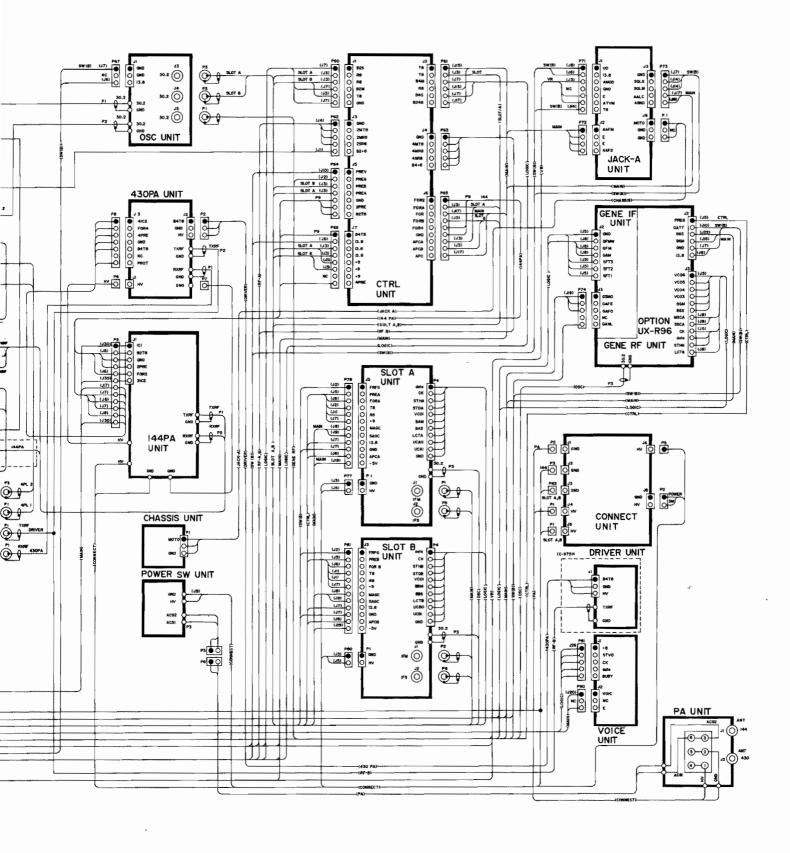




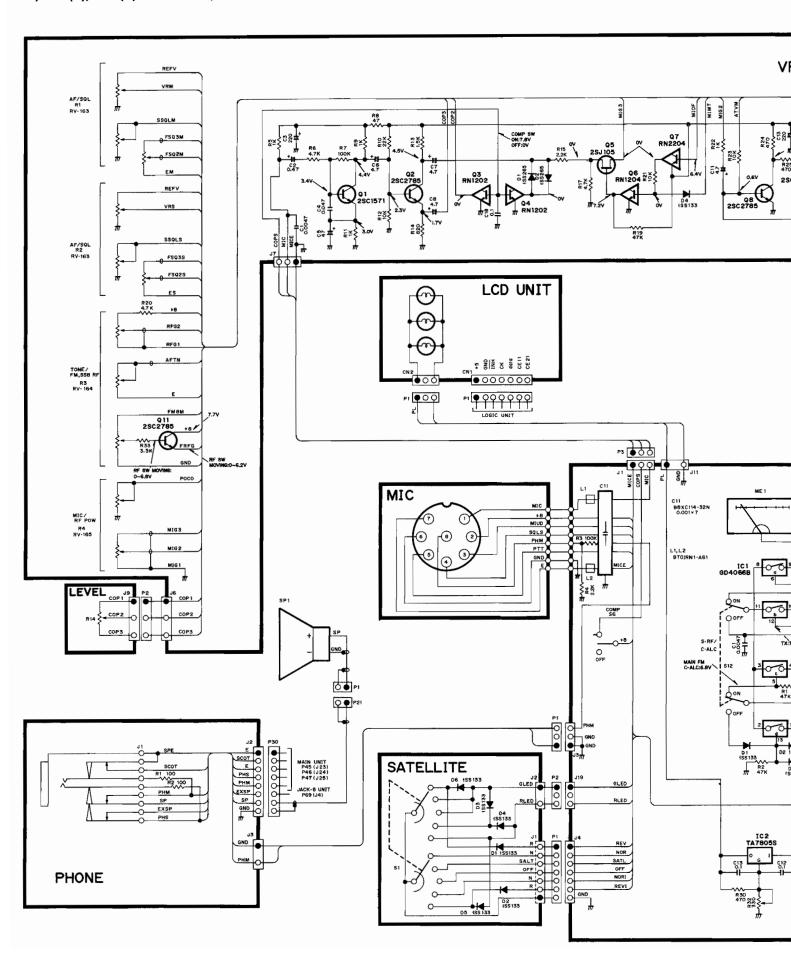


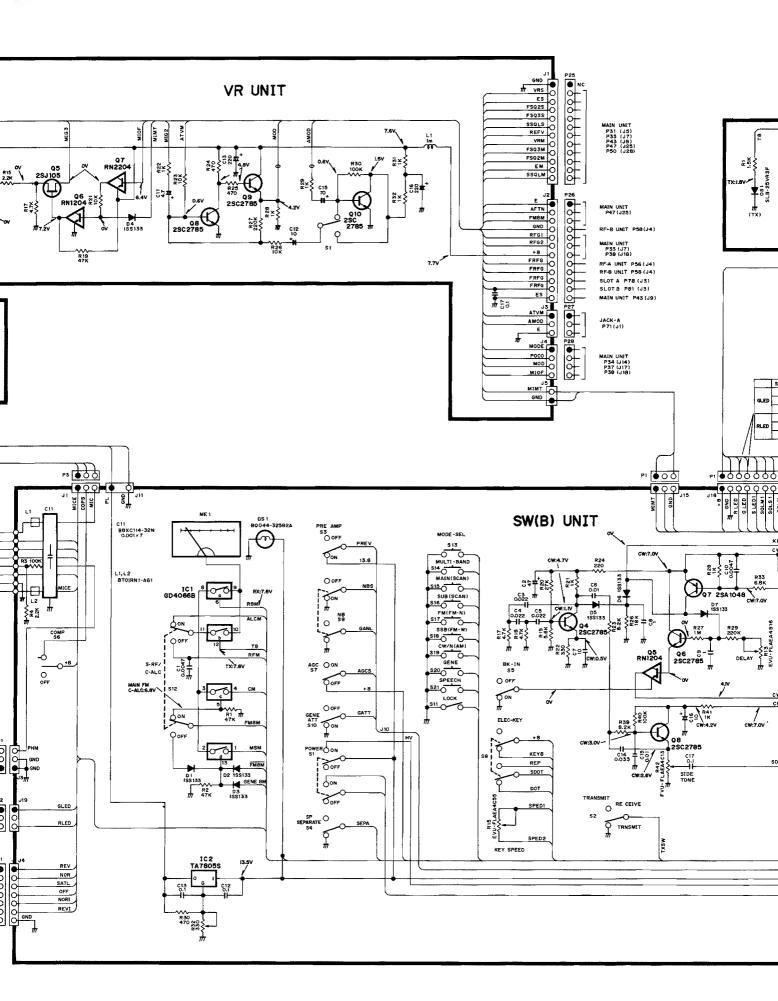


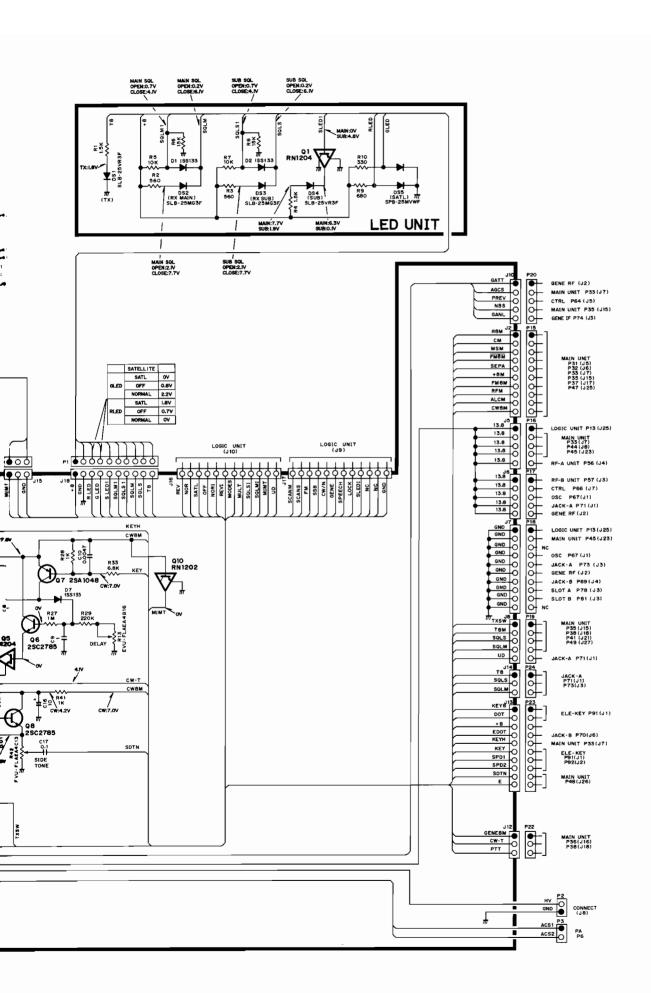
CONNECTOR CIRCUIT



• VR, SW (A), SW (B) AND CTRL, etc. UNITS







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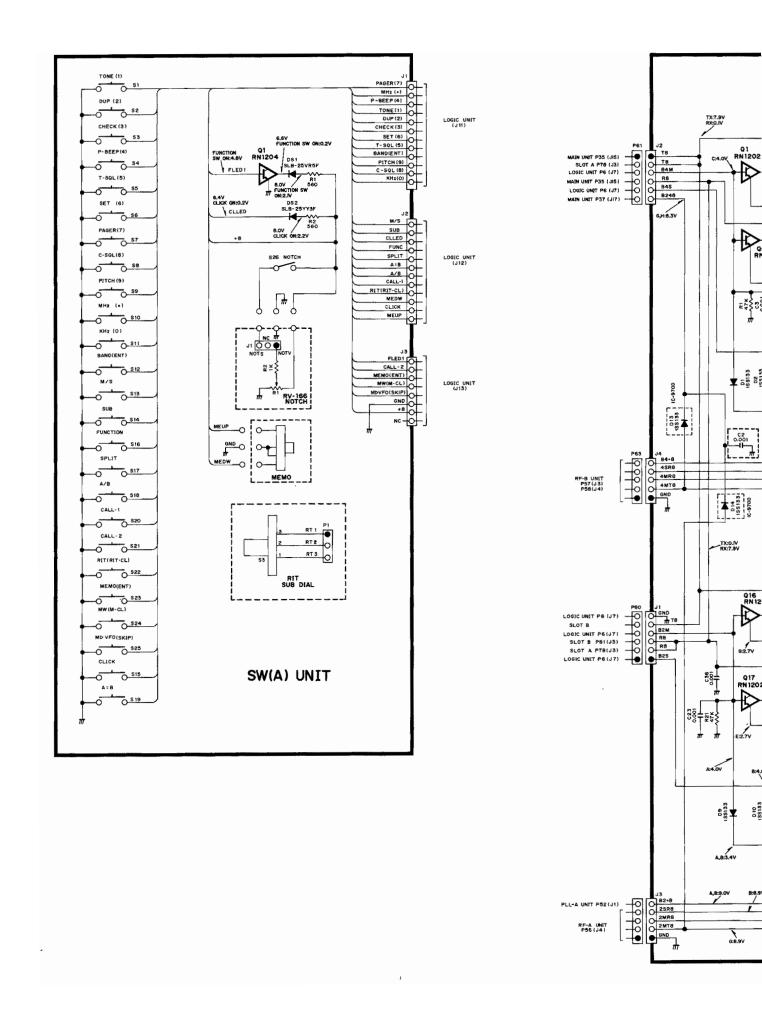
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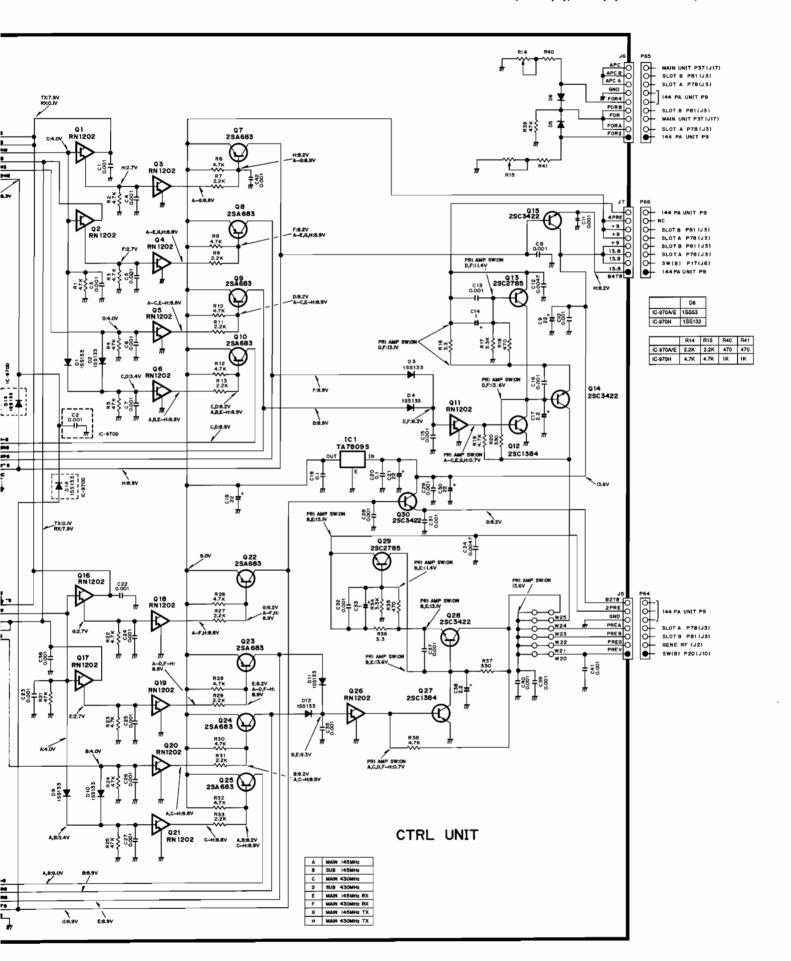
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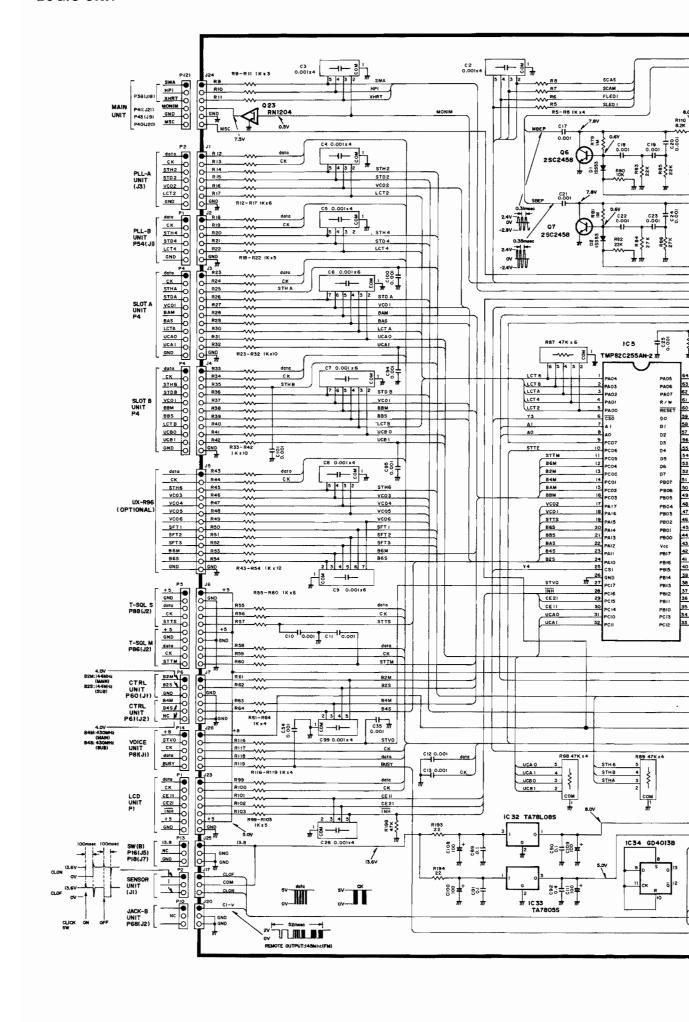
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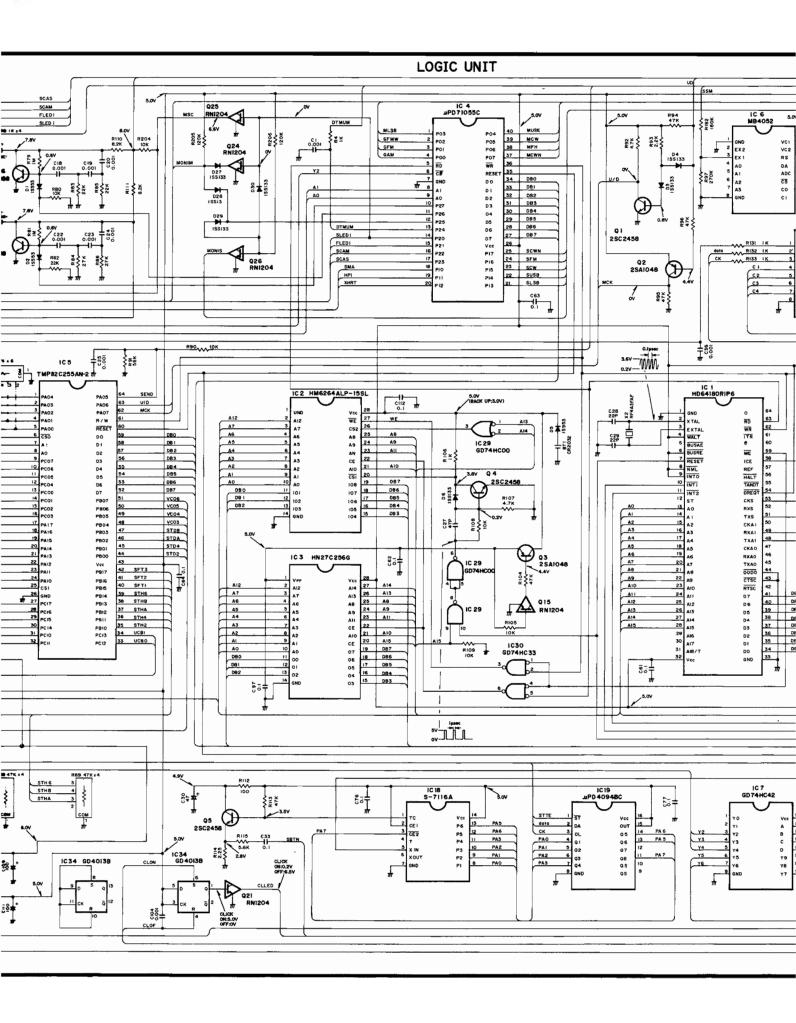


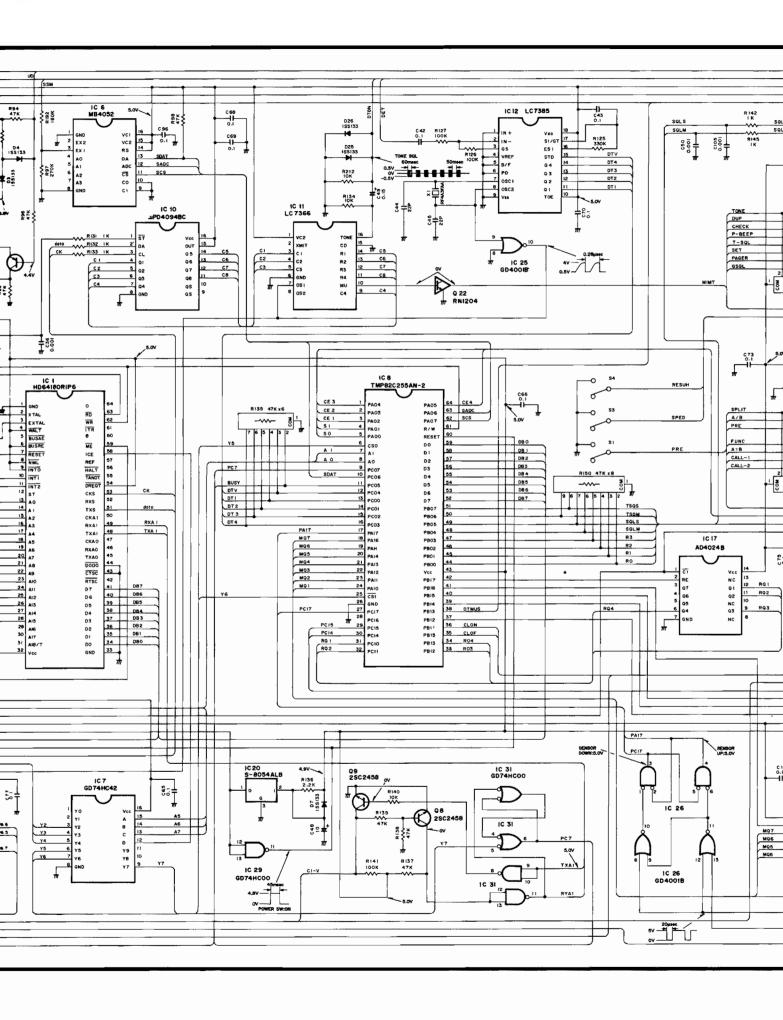
• VR, SW (B), SW (A) AND CTRL, etc. UNIT

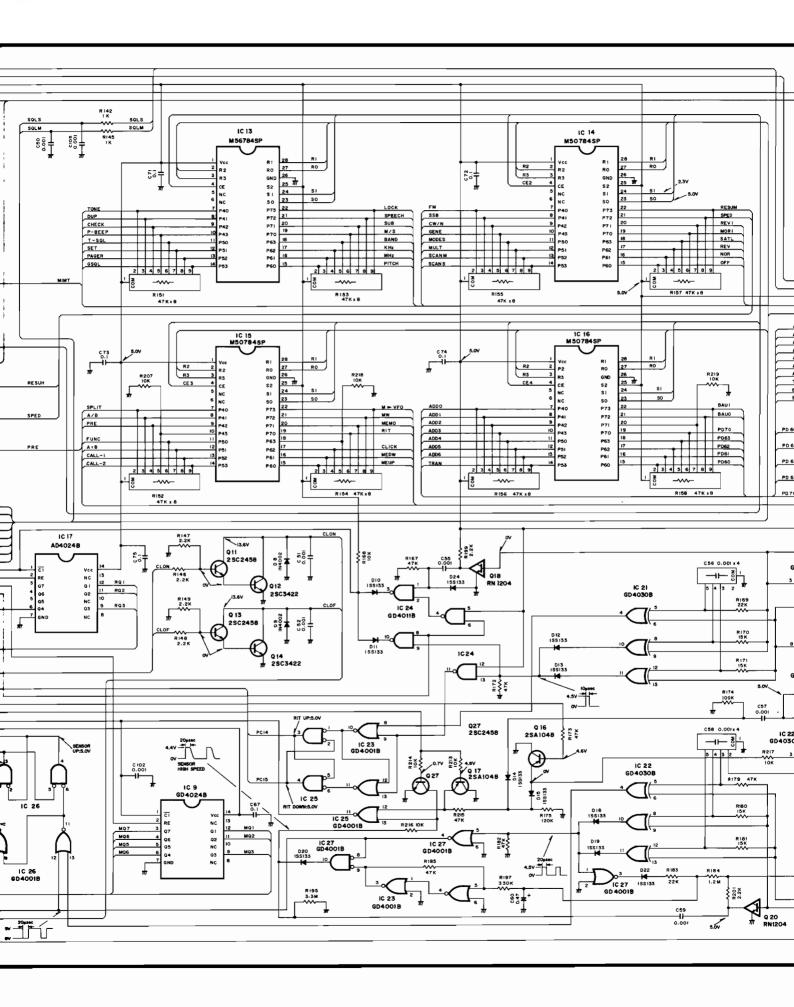


LOGIC UNIT

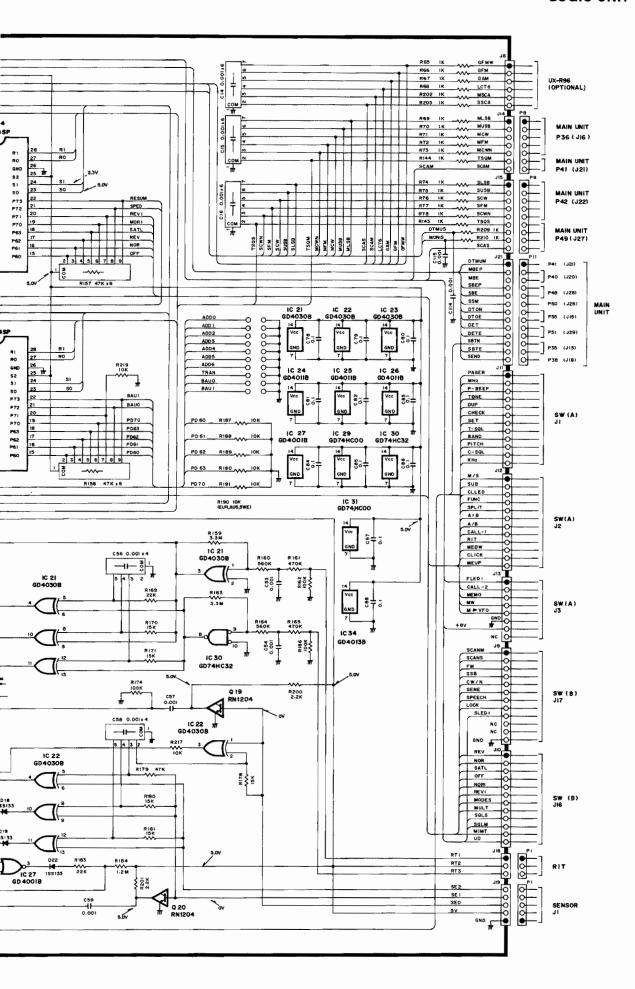






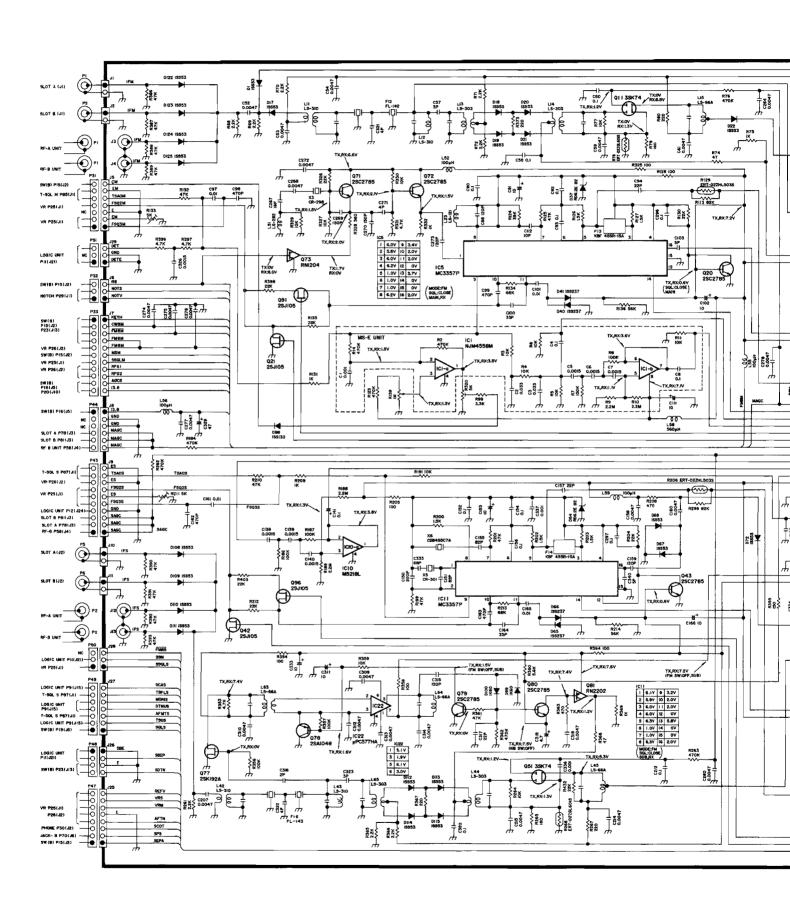


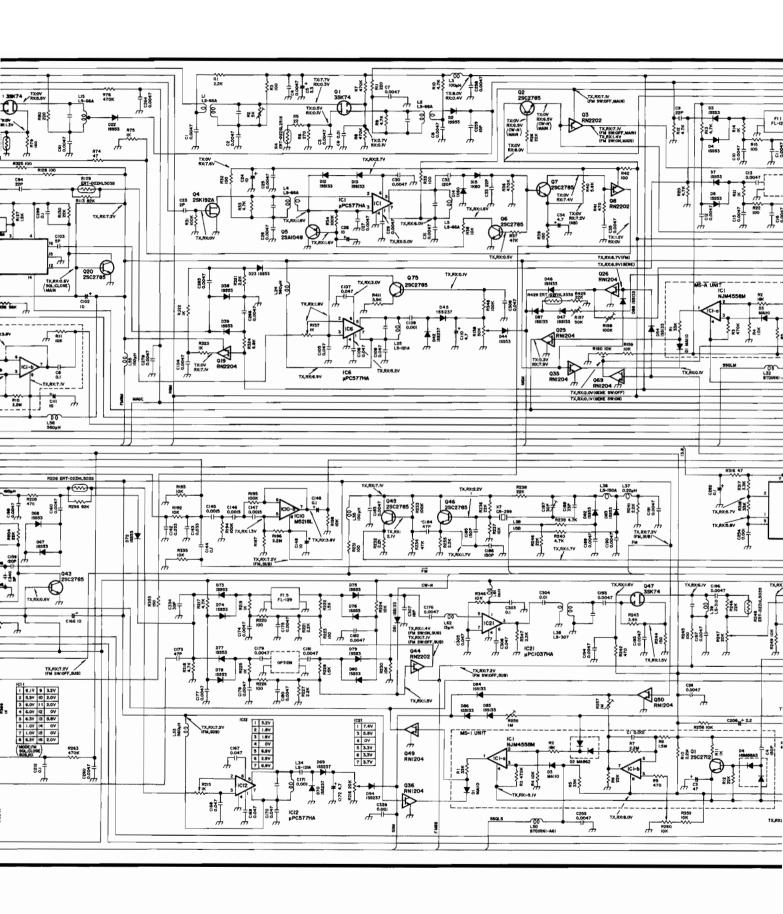
LOGIC UNIT

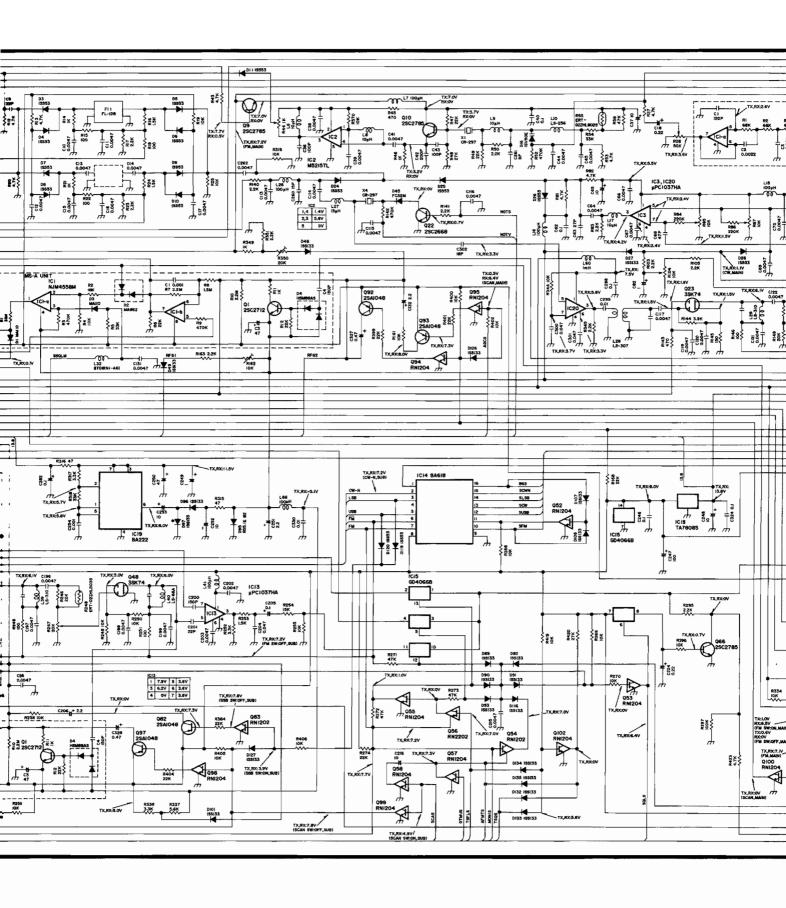


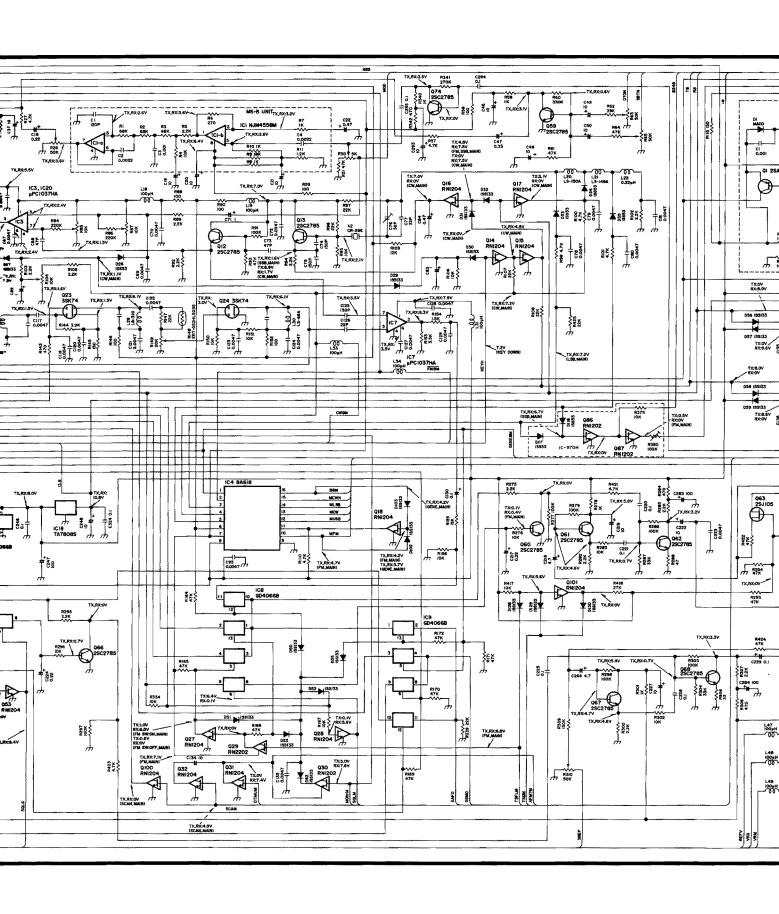
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• MAIN UNIT

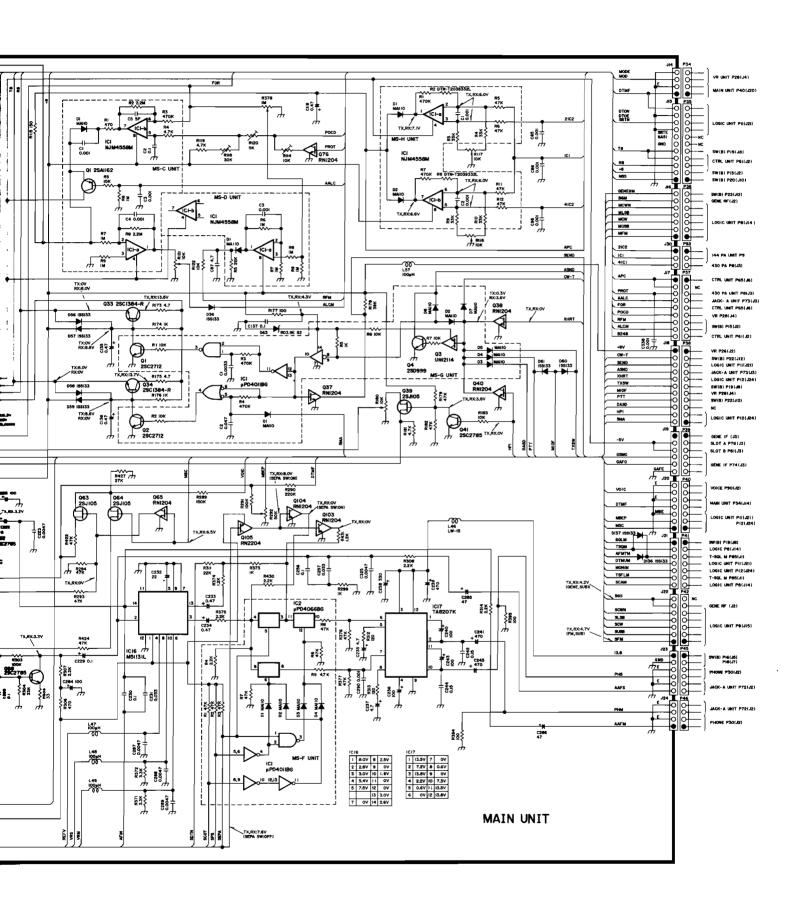




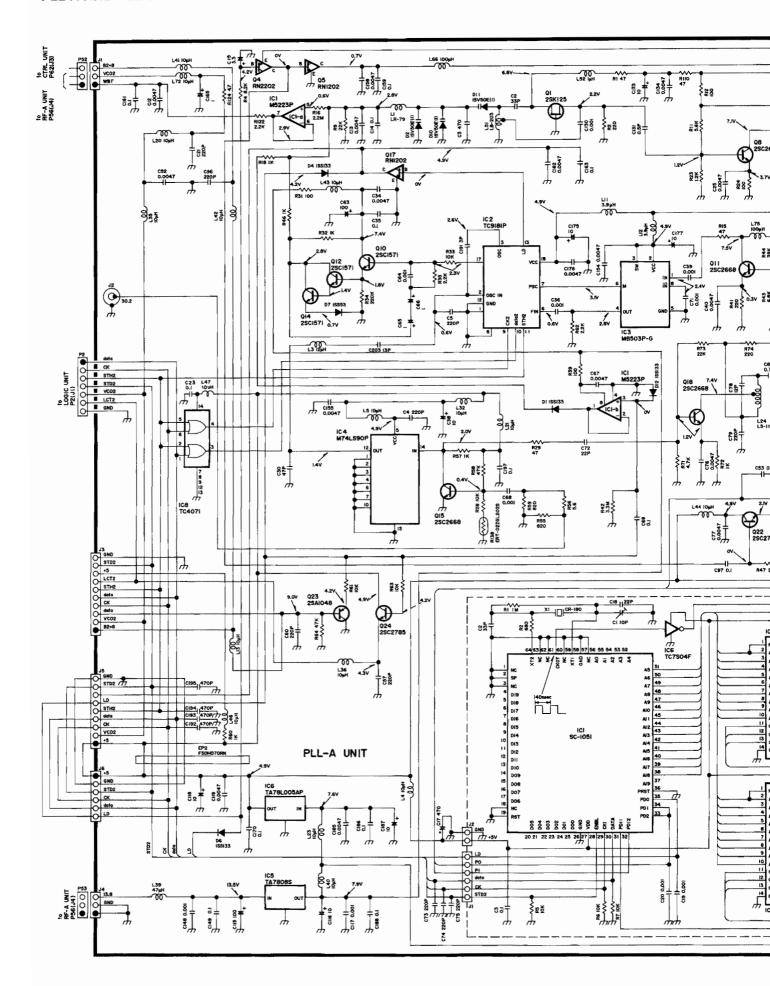


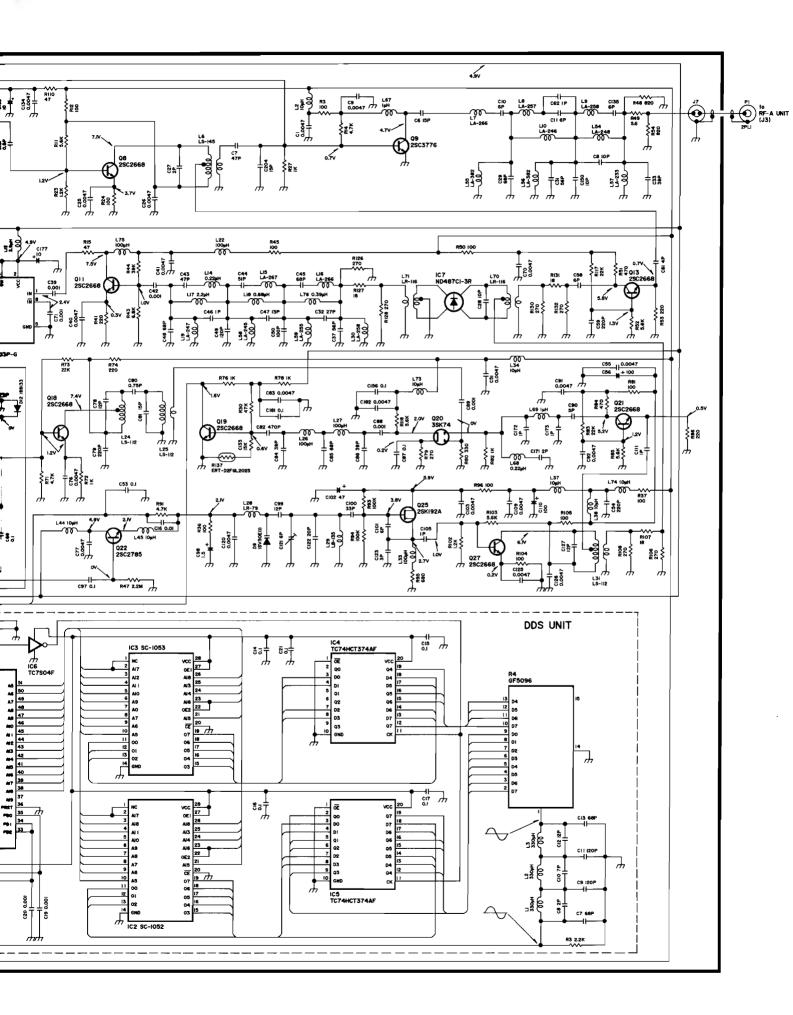


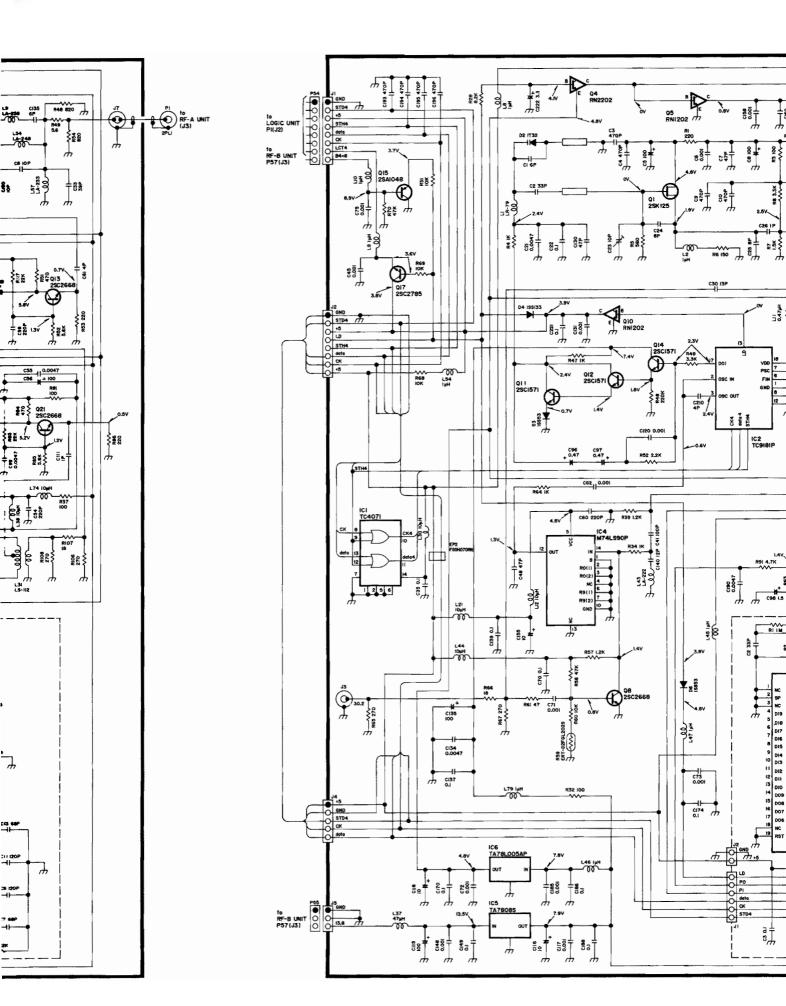
• MAIN UNIT

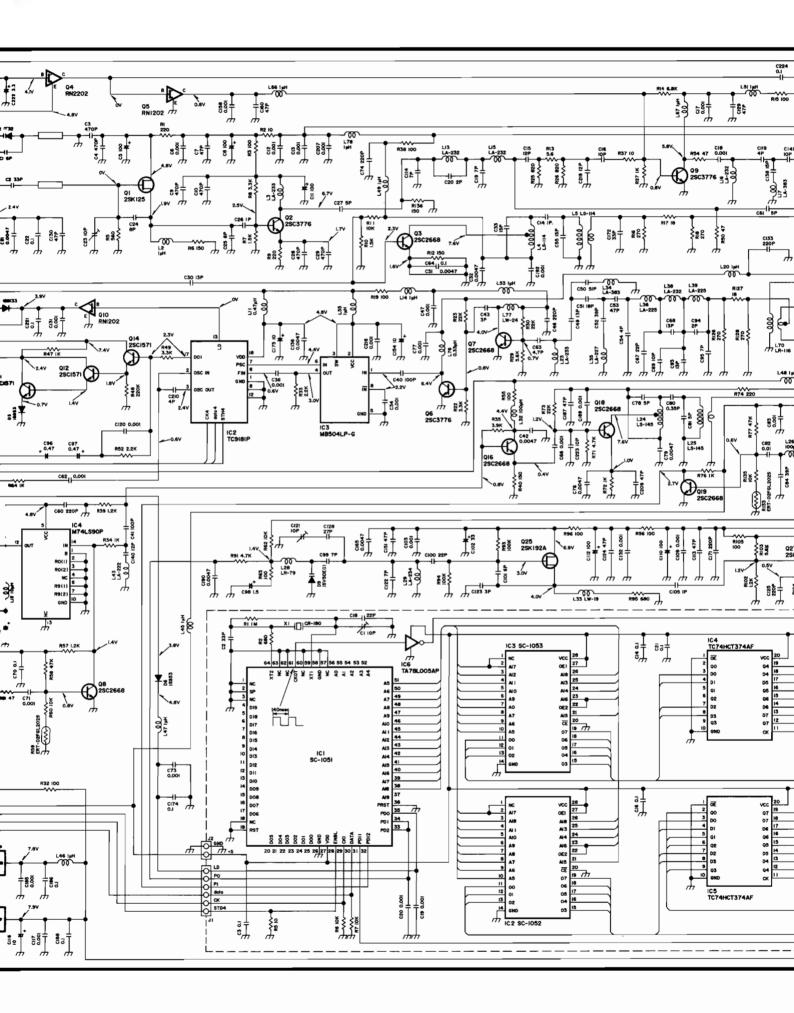


• PLL-A AND PLL-B UNITS

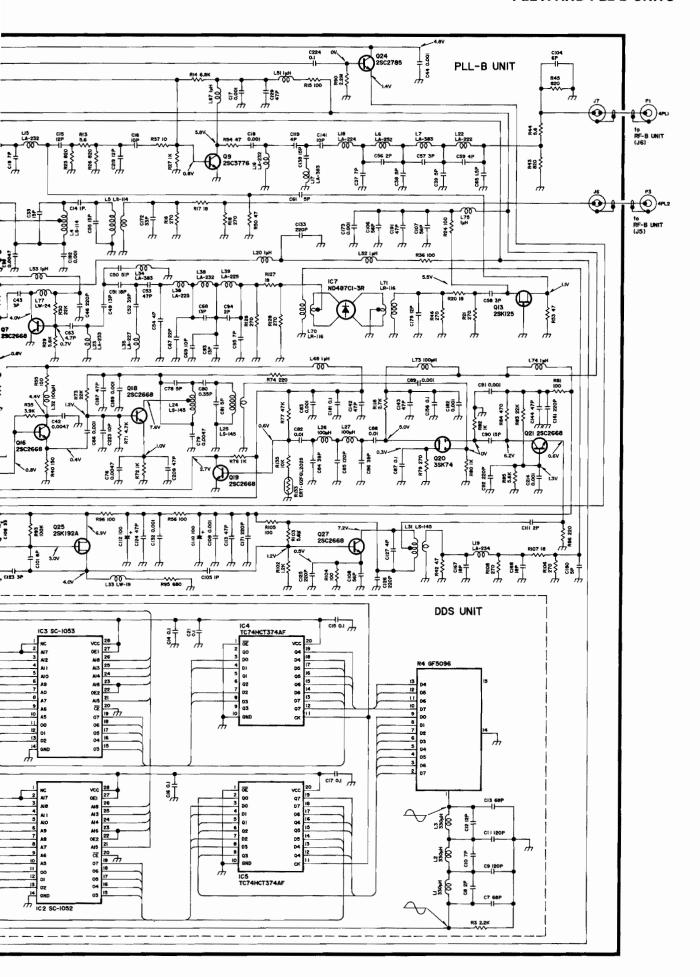




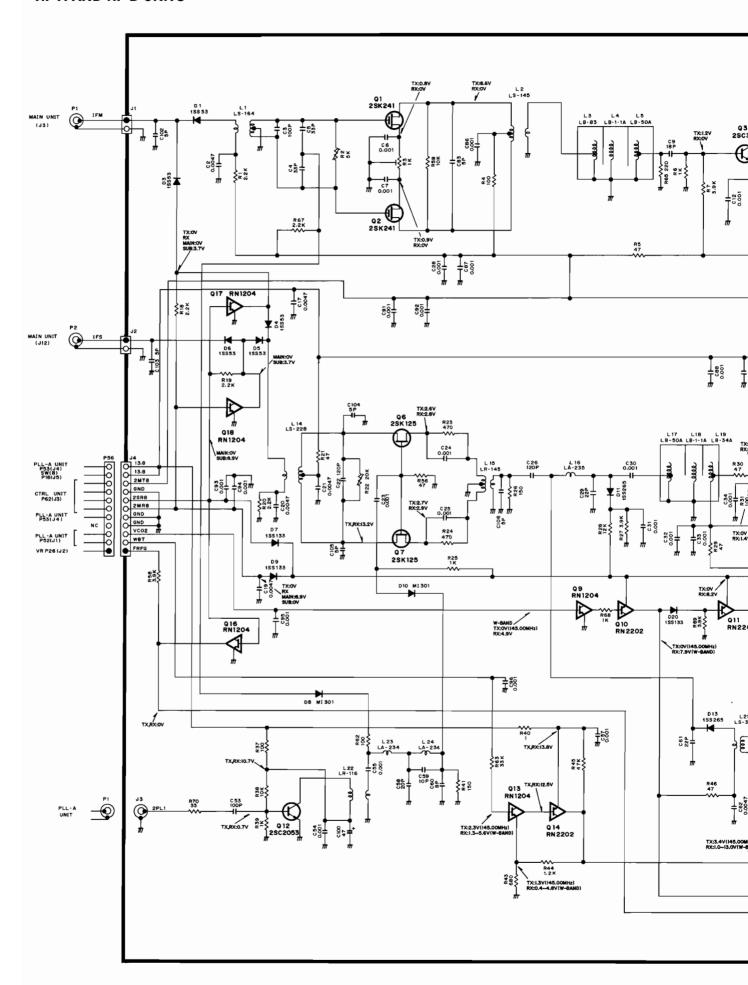


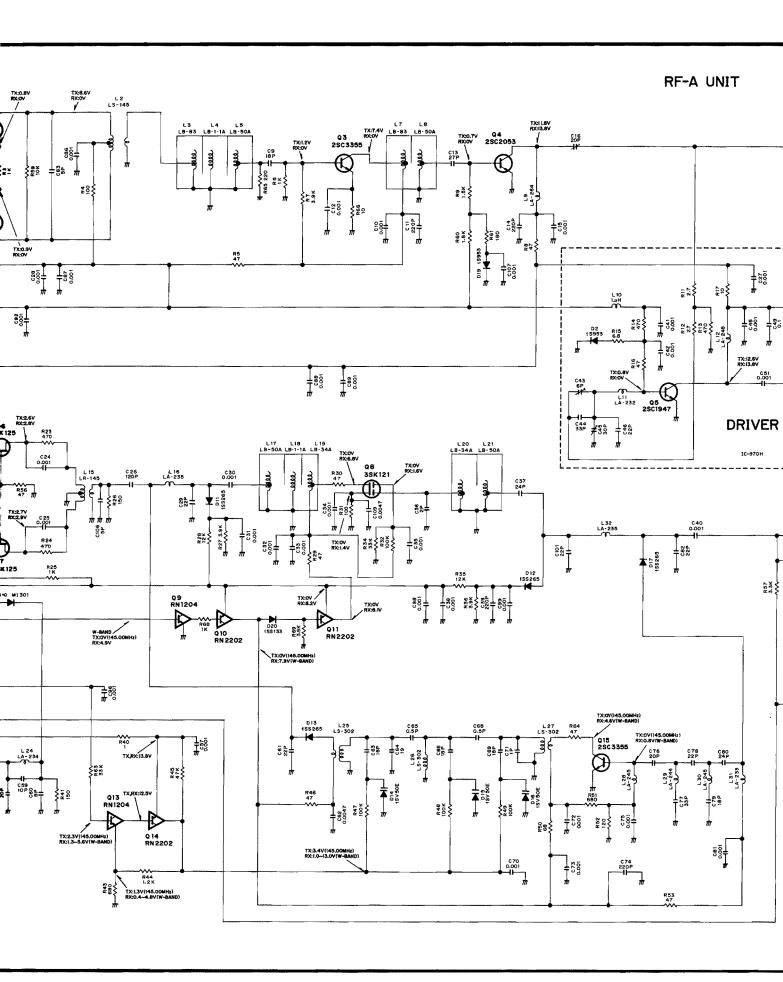


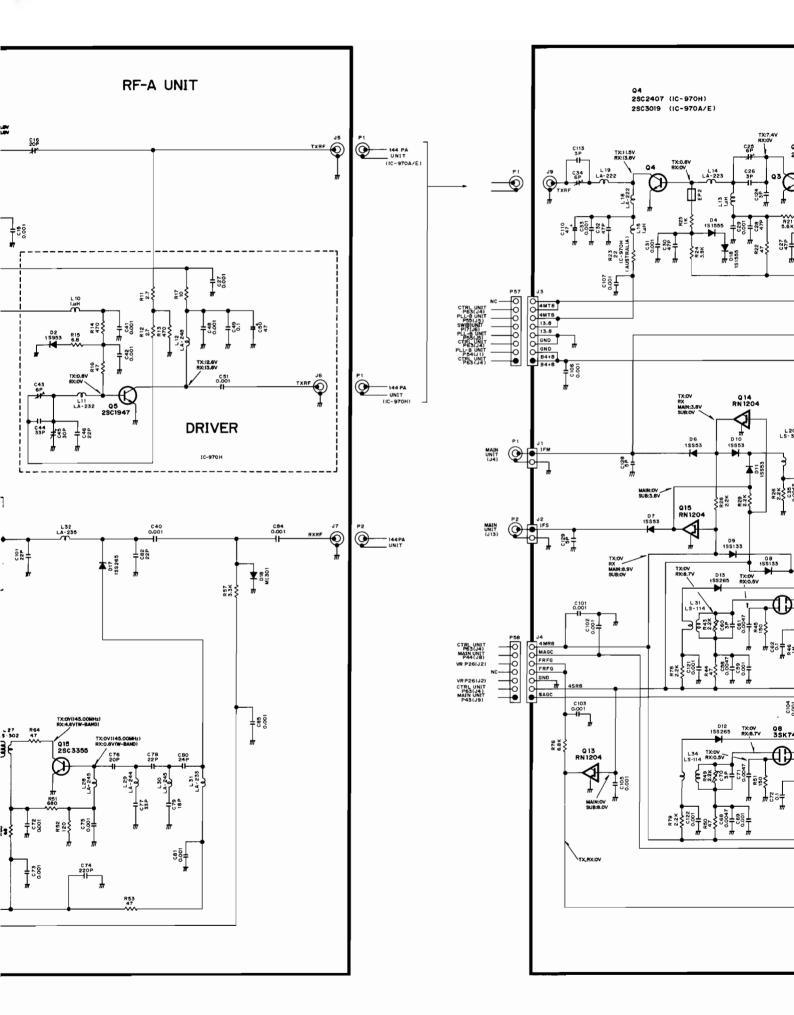
• PLL-A AND PLL-B UNITS

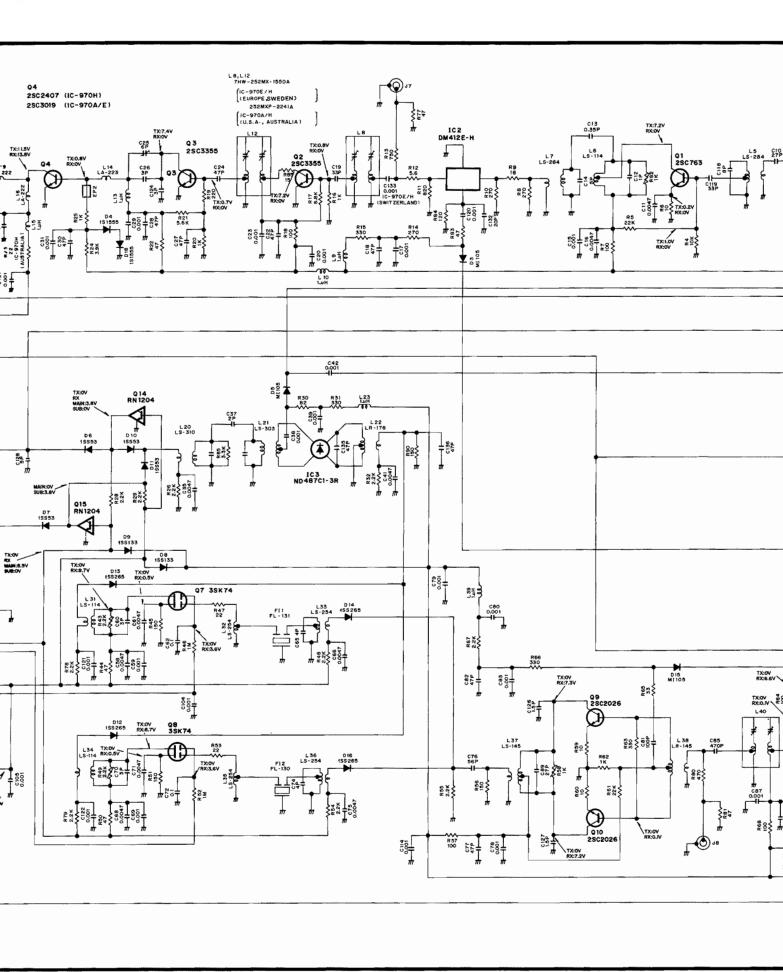


• RF-A AND RF-B UNITS

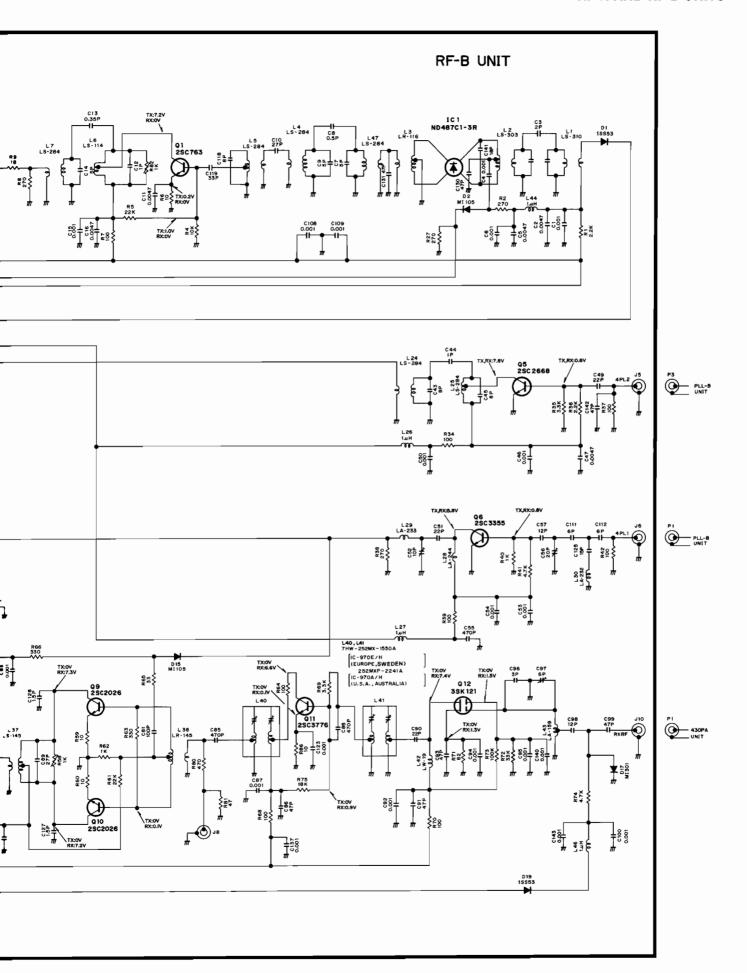




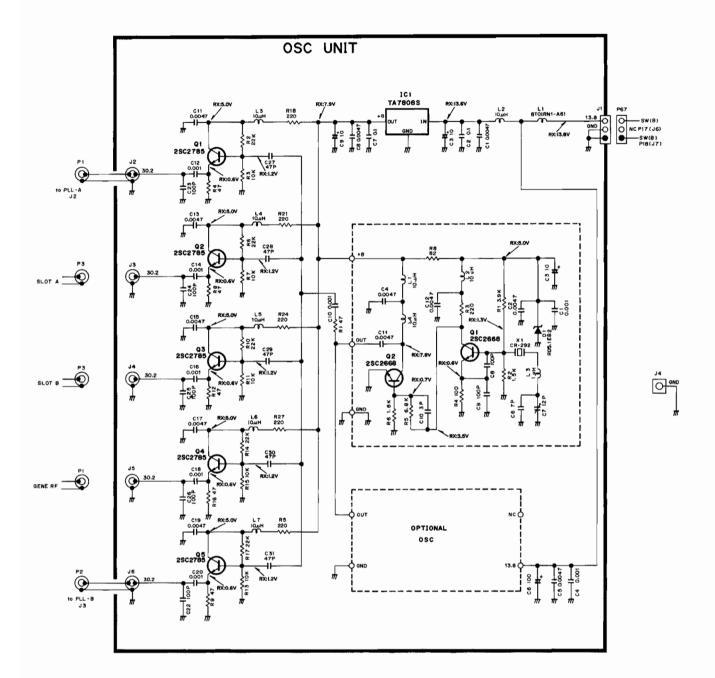




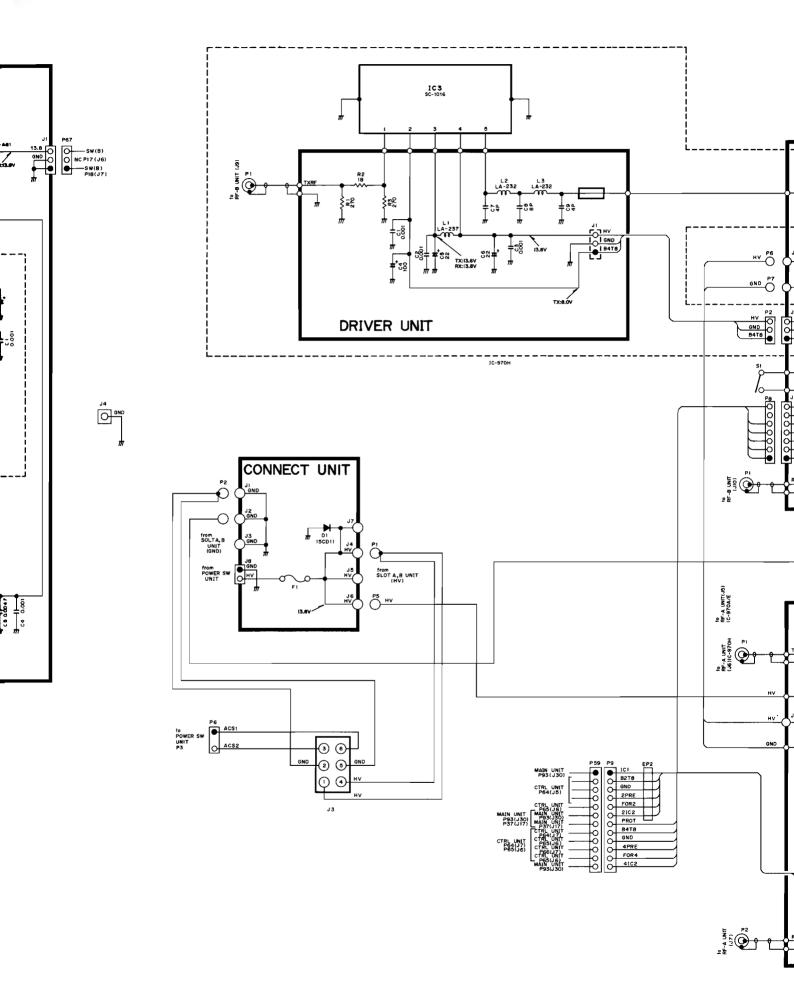




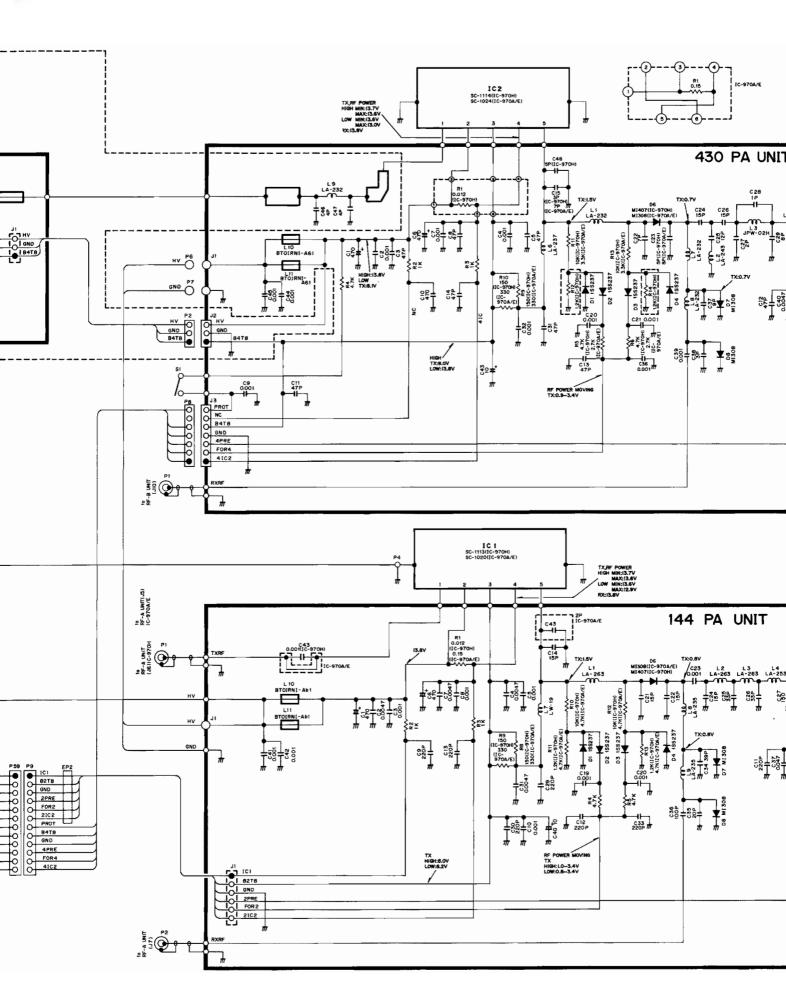
• OSC, 144 PA, 430 PA, JACK-A AND JACK-B UNITS

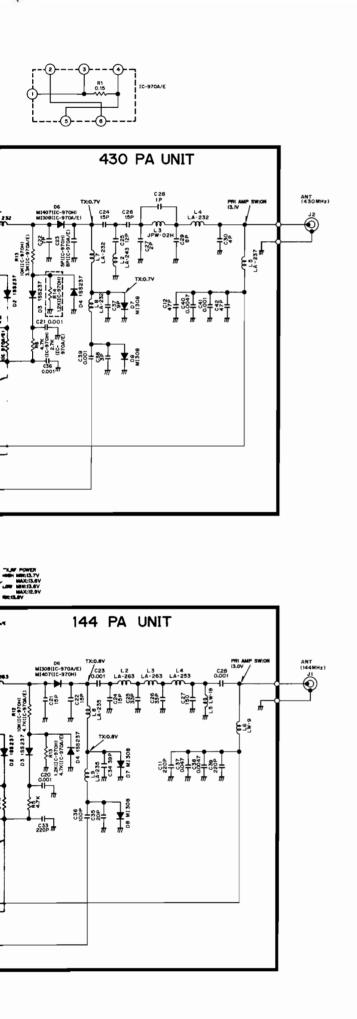


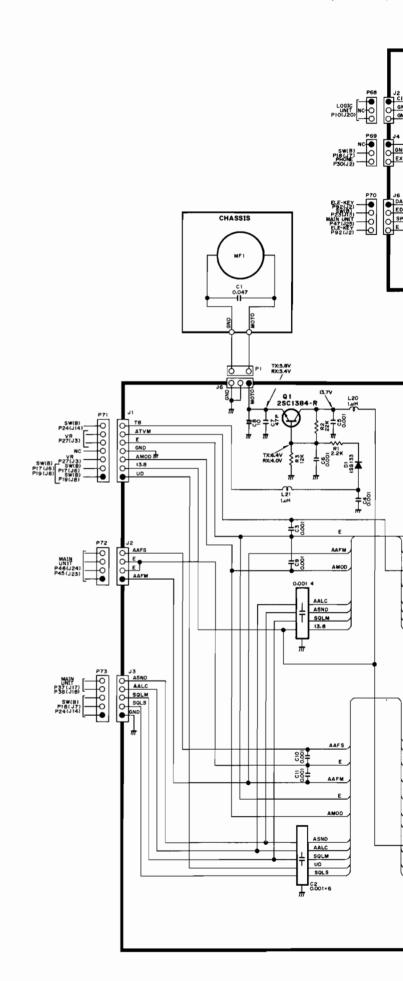
to POWE UNIT P3 for free by Radio Amateur, eu



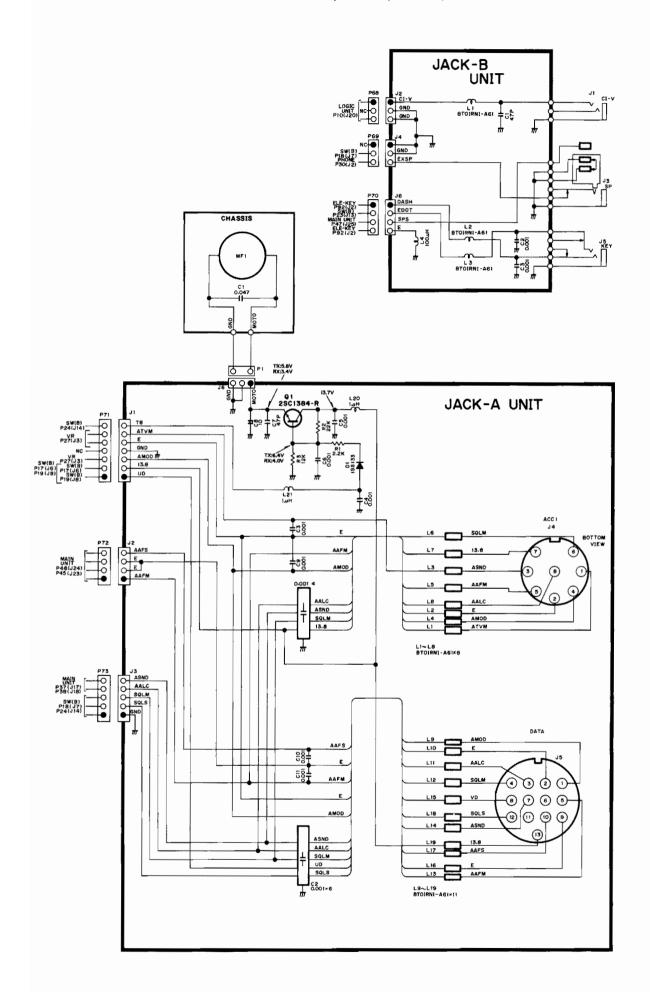
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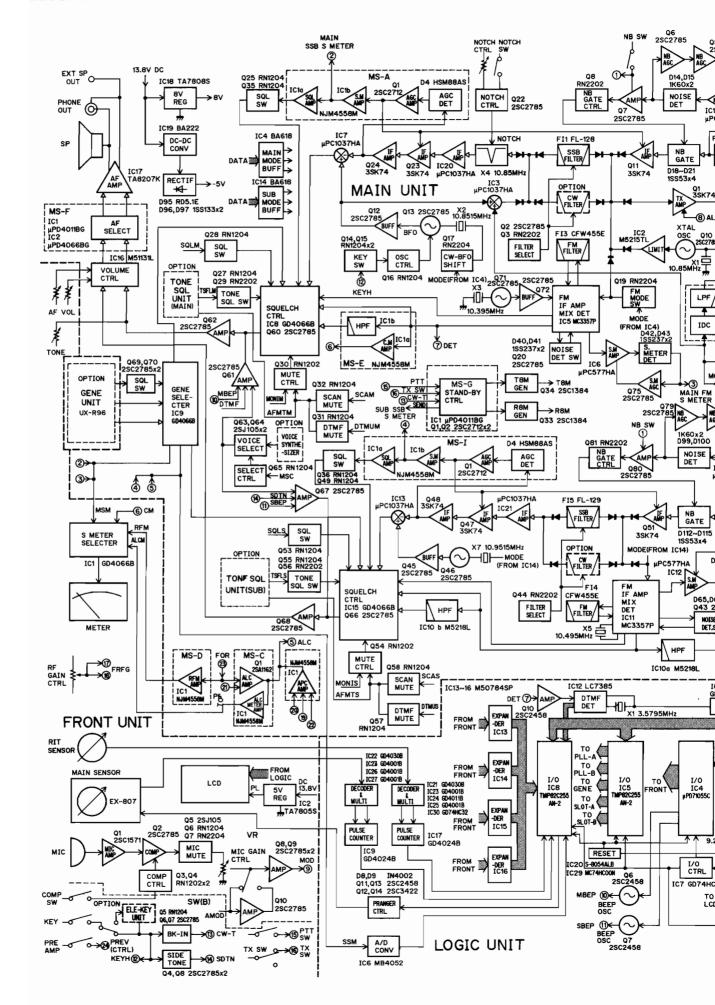


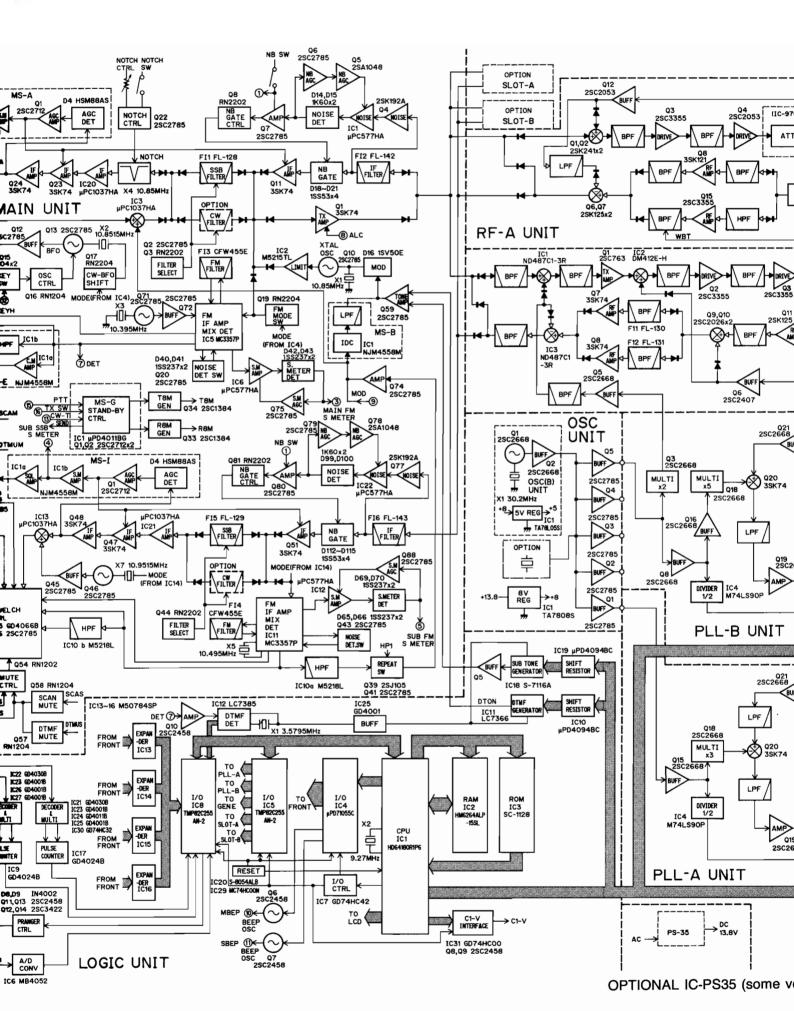
• OSC, 144 PA, 430 PA, JACK-A AND JACK-B UNITS

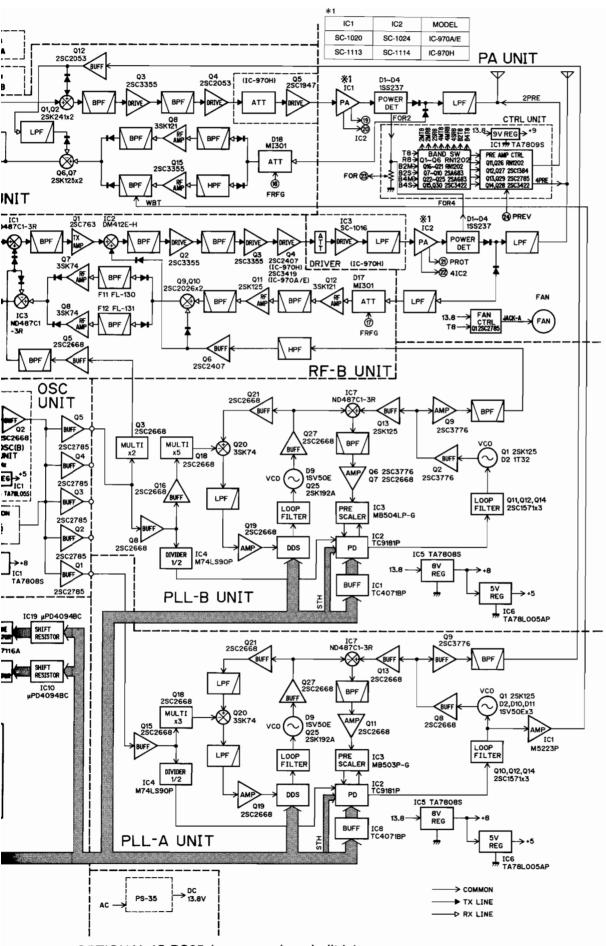


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BLOCK DIAGRAM



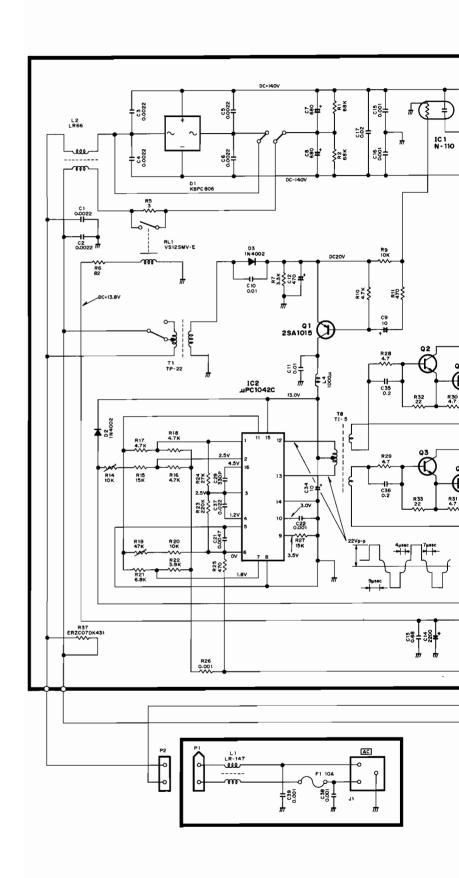


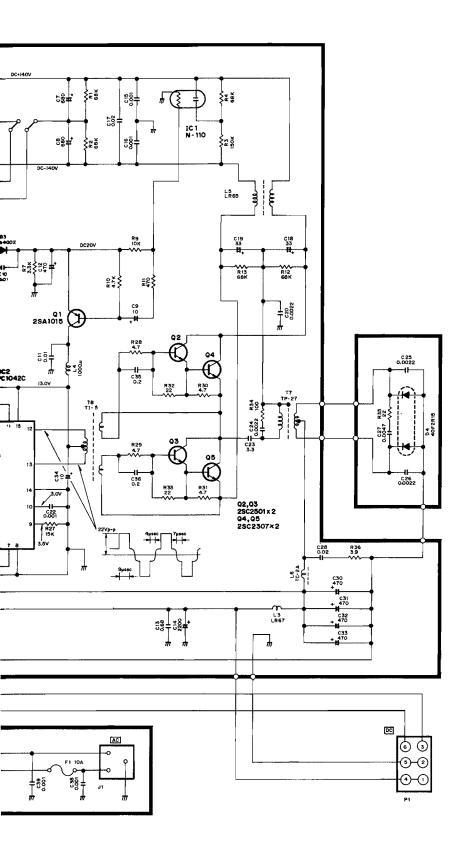


OPTIONAL IC-PS35 (some versions built-in)

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• BLOCK DIAGRAM AND IC-P35







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7 Duke Street, Windsor, Victoria, 3181, Australia
Phone: 03 529 7582
Fax: 03 529 8485
Telex: AA 35521 ICOM AS

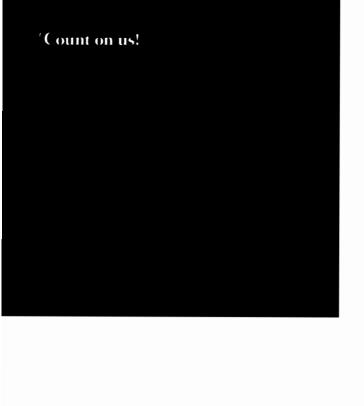
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Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.

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